

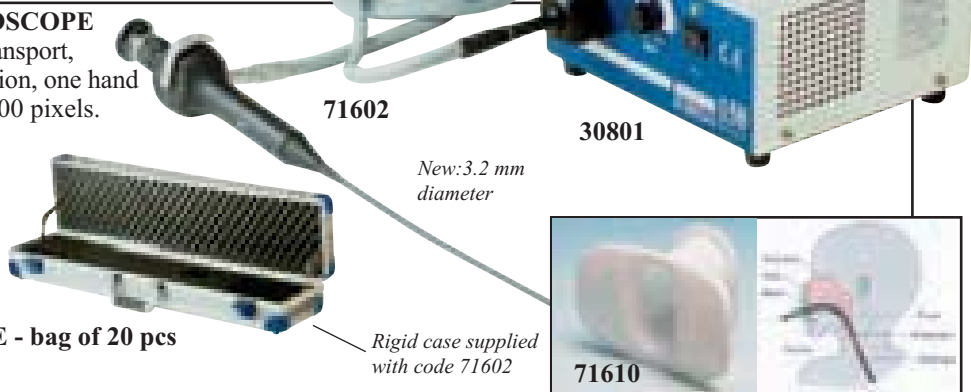
German ENT Endoscopes

Code 71602 FLEXIBLE NOSEPHARYNGOSCOPE

It includes fibre optic cable and rigid case for transport, conventional image guide system, 2 way deflection, one hand operation, completely soakable. Resolution: 8,000 pixels.

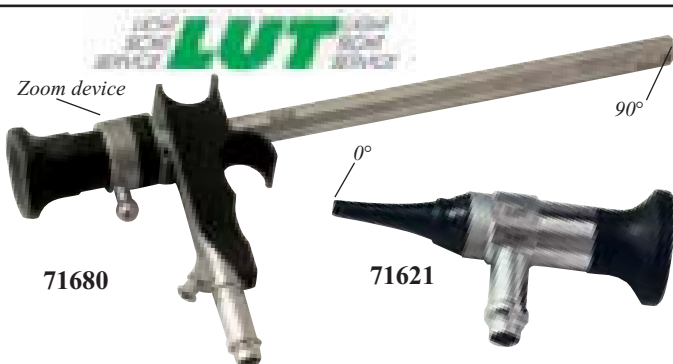
Technical specifications:

Working length: 300 mm Working Ø: 3.2 mm
Deflection: up 160°, down 160°
Length of movable tip section: 20 mm
Direction of view: 0° Field of view: wide angle
Depth of focus: 3-60 mm - angle of: 80°
Made in Germany



Code 71610 ENDOSCOPY MOUTHPIECE - bag of 20 pcs

Disposable bite blocks



Code 71680 LOOP LARYNGOSCOPE Ø 10 x 153 mm - 90°

Code 71681 TELE-LARYNGO-PHARYNGOSCOPE Ø 8 x 164 mm - 70°

Code 71682 TELE-LARYNGO-PHARYNGOSCOPE Ø 6 x 164 mm - 70°

Sharp image, significant depth of field

- high performance illumination
- two different degrees of magnification:
panoramic view and examination of details (only 71680)
- integrated air channel for prevention of misted objective (only 71680)
- soakable and designed for gas sterilization
- working distance 15 mm to ∞

Code 71621 F.O. OTOSCOPE Ø 2.7 x 34 mm - 0°

Code 30795 FLYER HANDLE - light source for endoscopes

GIMA code	Rigid endoscopes made in Germany To be used for ENT and ARTHROSCOPY applications	Rigid endoscope
71630	Telescope Ø 1.7 x 96 mm - 0°	
71641	Telescope Ø 2.7 x 110 mm - 0° - autoclavable	
71643	Telescope Ø 2.7 x 110 mm - 30° - autoclavable	
71645	Telescope Ø 2.7 x 110 mm - 70° - autoclavable	
70012	Telescope Ø 2.7 x 187 mm - 0° - autoclavable	
70014	Telescope Ø 2.7 x 187 mm - 30° - autoclavable	
70016	Telescope Ø 2.7 x 187 mm - 70° - autoclavable	
71661	Telescope Ø 4 x 175 mm - 0° - autoclavable	
71665	Telescope Ø 4 x 175 mm - 30° - autoclavable	
71668	Telescope Ø 4 x 175 mm - 45° - autoclavable	
71667	Telescope Ø 4 x 175 mm - 70° - autoclavable	
GIMA code	Rigid endoscopes - not autoclavable to be used for ENT and Arthroscopy applications	
72007	Telescope Ø 2.7 x 105 mm - 0°	
72008	Telescope Ø 2.7 x 105 mm - 30°	
72009	Telescope Ø 2.7 x 105 mm - 70°	
72010	Telescope Ø 4 x 175 mm - 0°	
72011	Telescope Ø 4 x 175 mm - 30°	
72012	Telescope Ø 4 x 175 mm - 70°	
72013	Telescope Ø 4 x 175 mm - 45°	

Nystagmus Spectacles - Dr. Frenzel

Code 31204 NYSTAGMUS SPECTACLES - DR.FRENZEL

Easy to use in the search of spontaneous or provoked nystagmus. Fixed, biconvex lens + 18.0 diopters. Nystagmus spectacles should be connected only with < 42V transformer as from safety norms 93/42/EEC, see "GIMA5" at page 94. Made in Germany.

Code 31206 BATTERY NYSTAGMUS SPECTACLES

This model allows wireless working and is not bound to power supply. The Nystagmus Spectacle is provided with power through the adjustable battery placed above the spectacle and requires three 1.5 Volt batteries, size C LR14/AM-2 (baby cells). Illumination can be adjusted through a turn of the switch.

Code 31130 AC/DC TRANSFORMER - see at page 94.

Code 31208 NYSTAGMUS LAMP - spare

4 Volt 0.230 Ampere, 1 Watt threading diam. 3.5 x 0.35 mm



Transformer not required

150 W Halogen Light Sources F. O. Head Lights



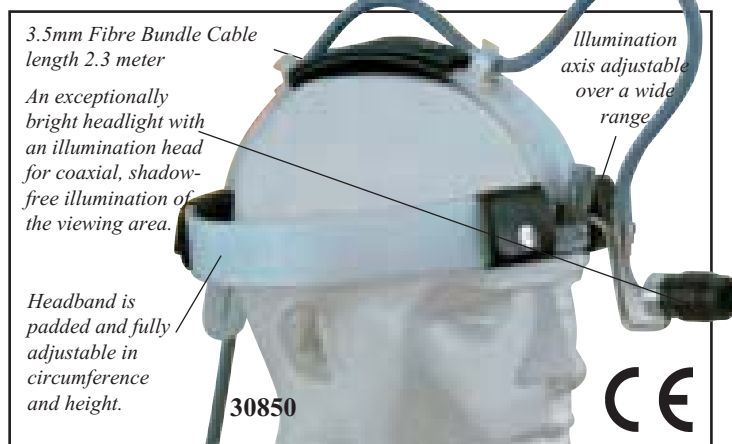
Code 30801 GIMA LIGHT SOURCE 150 Watt

Compact, lightweight, powerful light source for endoscopic use. Equipped with a 150 watt halogen bulb.

It has a small opening on the upper side for easy and quick replacement. A low noise fan positioned behind the halogen bulb provides the necessary cooling inside the metallic structure of the light source. A variable-intensity regulator enables selection 50 to 150 W. User manual in English, Spanish, French, Italian, Greek, Portuguese.

Code 30802 GIMA DOUBLE LIGHT SOURCE 150 Watt x 2
Similar to 30801, but with 2 independent bulbs, to illuminate at the same time 2 instruments or to quickly change if one bulb burns out.

GIMA code	Connectors for GIMA light source to different cables	Technical specifications: 30801/2
30810	STORZ cable connector	Input for GIMA, SCHOLLY and LUT cables
30811	WOLF cable connector	Dimension: 21x20x h 11 cm / 29 x 20.7 x h 13.5 cm
30812	OLYMPUS cable connector	Max power absorption: 170 Watt / 340 Watt
30815	PENTAX cable connector	Two protection fuses: 1.6 A.T.
30808	Spare lamp for GIMA light source	Power supply: 230V-50 Hz
		Norms: IEC 601-1 - 93/42/EEC (Class: I - Type: BF)
		Made in Italy: GIMA S.p.a.



Code 30850 WIDA FIBRE OPTIC HEAD LIGHT

Code 30854 WIDA PLUS F.O. HEAD LIGHT fibre optic cable complete with head light system

WIDA illumination systems are available in two versions: one with simple headband and standard illumination head, the other with professional headband, easily adjustable, and thin head. Both include F.O. cable with adaptor for connection to GIMA light sources (30801-30802). Here below are available connectors to other light sources. Light beam can be focused through a focusing ring.

Code 30851 FOCUS DEVICE (for WIDA 30850) useful for ENT applications. It reduces light in a very luminous spot Ø 5 mm

Diameter focus:		
Distance	30850	30854
20 cm	7-15 mm	5-8 mm
30 cm	10-22 mm	8-12 mm
50 cm	16-35 mm	13-19 mm

Knob for easy adjustment

Professional and comfortable headband easily adjustable in circumference and height through two knobs

Thin illumination head

30854

Surgical Fibre Optic light cables and adaptors



1 LIGHT SOURCE ADAPTORS to connect GIMA F.O. cables to light sources

Code 30830 GIMA light source adaptor

Code 30831 STORZ - AESCULAP-MARTIN light source adaptor

Code 30832 WOLF - HENKE SASS - DYONICS - MEDICON - COMEG light source adaptor

Code 30833 OLYMPUS light source ad.
Code 30834 ACMI light source adaptor
Code 30836 FUJI light source adaptor
Code 30837 PENTAX light source ad.

ENDOSCOPE ADAPTORS - on the cables to connect endoscopes to GIMA F.O. cables

Code 30840 ENDO STORZ adaptor

Code 30841 ENDO WOLF adaptor
Code 30842 ENDO ACMI, OLYMPUS-STRYKER adaptor

Code 30818 FIBRE OPTIC CABLE 4.8 x 1,800 mm.

Code 30822 FIBRE OPTIC CABLE 3.5 x 2,300 mm.

Code 30823 FIBRE OPTIC CABLE 4.8 x 2,300 mm.

Code 30826 FIBRE OPTIC CABLE 4.8 x 3,000 mm.

High transmission surgical light cables, armoured but highly flexible with unique features:

- no burn outs
- strain relieved by kevlar and protected by silicone hose
- steam autoclavable with warranty (12 months)
- light source end temperature resistant up to 300°C
- kink resistant
- no electrical interferences with endoscopic surgery units
- quality according MedGV and CE (min. 5000 V overvoltage protection)
- serial number reference marked on each cable
- stainless steel adaptors enables our cables to be used with other manufacturers light sources/instruments

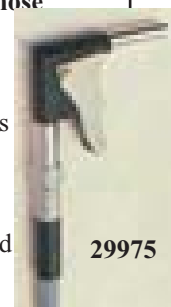
Code 29975 FIBRE OPTIC CLAMP

3 ENDOSCOPE ADAPTORS - on the endoscope

to connect endoscopes to GIMA F.O. cables

Code 30844 STORZ/LUT ENDOSCOPE ADAPTORS

Code 30845 WOLF ENDOSCOPE ADAPTORS



LED Technology Light Sources and LED Head Light



CE

Powerful LED illumination



HEINE OPTOTECHNIK

CE

30885

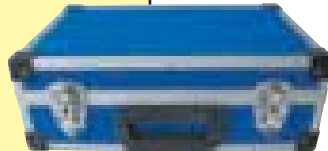
**Direct connection to endoscopes,
F.O. cable not required**

Code 30880 PORTABLE LED LIGHT SOURCE

Portable LED extra white light source provided of a PVC handle, with STORZ adapter, to be connected to endoscopes and lighted instruments without the need of F.O. cable. It is operated by 10 AA **rechargeable batteries**, 230V Trasformer 230V included (110 V on request). Supplied with transport case.

Technical specifications

Power supply: 12 VDC 2.0 A
Led intensity: 5 Watt
Colour temperature: 5,500°K
ABS case dimensions: 225x225xh75 mm
PVC handle: 86x40 mm
Weight: 0.35 g
Made in Italy



Code 30885 HEINE 3S LED HEAD LIGHT

The new ultra bright and compact 3S LED HeadLight from HEINE for powerful, coaxing illumination.

- 30,000 Lux of bright, white light:**
With a reference colour temperature of 6,000 Kelvin and an extraordinary 30,000 Lux of illumination, the 3S LED HeadLight is more than twice as bright as other standard LED and conventional Headlights
- Compact and Light-Weight:**
The compact design ensures clear, unobstructed coaxial illumination. The 3S LED HeadLight weighs only 70 grams ensuring user comfort even during long periods of use.
- Flexibility:**
Continuously adjustable spot size and brightness control. Mains or 2.5 hours operating time with portable power supply. Rechargeable battery pack and direct mains transformer included.

Technical specifications

Power supply: Rechargeble Battery Pack with NiMH battery and direct mains transformer
Illumination: 30,000 lux at a working distance of 250 mm
LED operating life: 20 hours
Spot adjustment: 20 mm to 130 mm illuminated field diameter (at 500 mm)
Colour temperature: 6,000°K
Made in Germany

Cameras and monitors, medical certified



72509

GIMA code	Cameras, accessories and monitor
72509	C1 Compact Camera CCD chip 1/3 - soakable head and cable
72524	C1 Multi Camera CCD chip 1/2 - soakable head and cable
72530	C3 Multi 3 CCD Camera
72580	TV adaptor 25 mm (ACM ocular -C-mount)
72581	TV adaptor 30 mm (ACM ocular -C-mount)
72705	LCD Medical Monitor 15"
72704	Sony LMD 1420 MD - LCD Monitor - 14"

Medical Cameras - Technical specifications

	72509	72524	72530
Resolution PAL (lines horizontal):	625	460	600
Video system:	PAL 1/3 CCD - CHIP	PAL/NTSC	PAL/NTSC
Video outputs:	Y/C (S-VHS), F BAS	Y/C (S-VHS) F BAS	FBAS, RGB Y/C (S-VHS)
Size (w x h x d): mm/Weight	150 x 80 x 30 mm	360 x 88 x 320 mm - 4 kg	
Norms:	EN60601-1-BF/CE		
Power supply:	100/230 V - 50-60/Hz		
Camera head:	Ø44x135mm, 180 g	Ø20x90mm	32x49x75 mm

Flat medical approved monitor

Power: 100-240 V
50/60 Hz

SONY

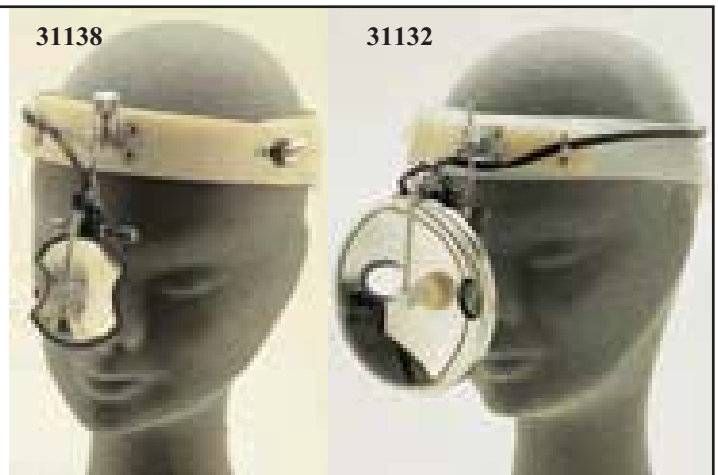
Image size:
283x212 mm

Resolution:
640x480 pixel (VGA)



72704

ENT Head Mirrors and Gima AC/DC Transformer



Code 31130 AC/DC TRANSFORMER GIMA 5

This is a real transformer to feed Clar and Storz mirrors, Nystagmus glasses and any instrument which requires from 1.2V to 10V dc 500 mA power.

Technical specifications

Absorption: 6.6 Watt. Power supply: 230 V - 50 Hz
Made in Italy Warranty: 12 months
Size: 163 x 105 x 60 mm Norms: 93/42/EEC
User manual: English, Spanish, French, Italian, Greek, Portuguese.

Code 31132 CLAR MIRROR - Ø 100 mm

Classic ENT head mirror (diameter 100 mm) in special German glass, mounted on an adjustable band

Bulb and power cable included.

Sold in cardboard box.

Made in Germany.

Code 31135 STORZ MIRROR - Ø 55 mm

Classic ENT head mirror (diameter 55 mm) in special German glass, mounted on an adjustable band

Bulb and power cable included.

Sold in cardboard box.

Made in Germany.

Code 31138 STORZ MIRROR WITH

FOCUS REGULATION - Ø 55 mm

Storz mirror as above but with focusing device.

GIMA code	Mirror's accessories	Minimum order
31133	Spare glass for Clar mirror	-
31136	Spare glass for Storz mirror	-
31139	Spare glass for Storz mirror with reg.	-
31145	Bulbs for Clar and Storz mirrors (6 volt)	10 pcs.

Vision Xenon Battery Headlight

Code 30855 VISION XENON LIGHT- with soft headband

Code 30856 VISION PLUS XENON LIGHT with rigid headband

Cordless lightweight headlight with xenon incandescent lamp suitable for mobile purpose and ENT examinations, available in two versions: with rigid head band for professional use and with soft headband for a more versatile use.

This headlight provides an incomparable mobility, an intensive and white light as well as a simple and comfortable handling. A special mirror focuses the beam to a concentrate spot.

Code 30857 SPARE BULB for VISION

Code 32201 "AA" ALKALINE BATTERIES - blister of 4



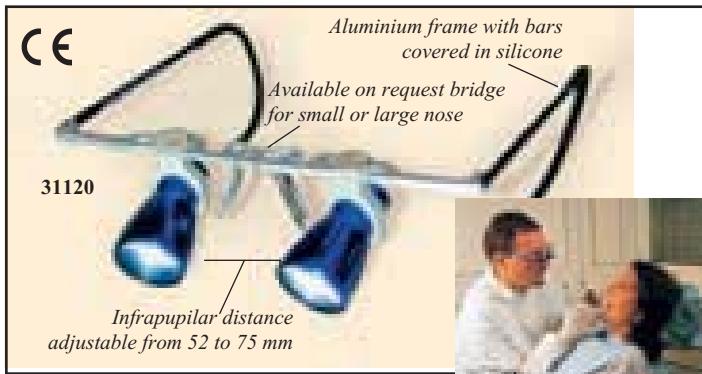
Technical specifications

Weight: 160 g (incl. Batteries)
Power supply: 2x alkaline batteries size AA (included)
Bulb: 6.000 candle power xenon lamp (7 lumens)
Color temperature: approximately 3200° K
Headband: - elasticated softband for code 30855
- rigid adjustable band for code 30856
Light outlet: height and inclination angle adjustable

If working distance:	20 cm	30 cm
Then Spot-Ø	50 mm	65 mm
Intensity:	3200 lux	1500 lux



Galileian Surgical and Dental Telescopes



Light-Tech Telescopes	Dental		Surgical	
	31120	31121	31122	31123
Magnification	2X	3X	2X	3X
Objective aperture mm	30	22	30	22
Ocular lens aperture	11	11	11	11
Field of view at 400 mm	100	45	130	80
Length of telescope mm	33	33	33	33
Working distance mm	350	350	450	450
Weight g	15	12	15	12
Depth of field mm	120	90	150	110



Lynx Galileian Telescopes	Dental		Surgical	
	31175	31176	31177	31178
Magnification	2X	3X	2X	3X
Objective aperture mm	30	22	30	22
Ocular lens aperture	11	11	11	11
Field of view at 400 mm	100	45	130	80
Length of telescope mm	33	33	33	33
Working distance mm	350	350	450	450
Weight g	70	75	70	75
Depth of field mm	120	90	150	110

Head Keplerian Telescopes Magnifying Loupes



Keplerian Telescopes	Dental				Surgical
	31153	31154*	31156*	31150*	31163
Magnification	3X	4X	6X	other	3X
Objective aperture mm	12	12	12		12
Ocular lens aperture	12	12	12	12	12
Field of view at 400 mm	110	95	80		106
Length of telescope mm	50	50	56		60
Working distance mm	350	350	350	350	450
Weight g	280	280	310		320
Depth of field mm	130	110	60		130

* products not in stock, available in 30 days
Other magnifications: 3.5X, 4.5X, 5X, 6X, 8X, 10X, available in 30 days, ask for specifications



Code 31170 HEAD LOUPE two magnifying systems (2.2X and 3.3X).
The system is mounted on an adjustable webbing head band and provided with two separate lenses.
The first lens provides a 2.2 X magnification, moving down the second lens, we reach a total 3.3 X magnification.
The superior quality of this lens permits high precision examinations. The HEAD LOUPE magnifying system can be used in combination with any kind of glasses. Made in Italy.

Code 31172 BERGER BINOCULAR LOUPE 3.5x
Two optically worked glass spherio-prism in a moulded nylon body give an approximate 3.5 X magnification.
On adjustable webbing head band.
Made in UK.

Code 31142 ZIEGLER MIRROR - Ø 90 mm
Concave back-silvered mirror, 90 mm diameter with 13 mm diameter hole, on adjustable band.
Special mount permits replacement of glass mirror in event of breakage.
Made in Germany.



Operating Theatre Lights for Major Surgery: 300,000 lux

D 1200 (D600+D600): : 300,000 lux

Light aluminium structure (tubing Ø 60 mm)

360° rotation without stopping

Standard DLE with D600

Adjustable luminosity

Elliptic reflector to obtain excellent luminous intensity

30719

D 600: 150,000 lux

30716

D 800 (D400+D400): 200,000 lux

30717

D 1000 (D600+D400): 250,000 lux

30718

ELLIPTIC LIGHTS

The correct illumination of the operating field requires "Quality light". Quality GIMA offer, satisfy requisites of quality:

- exact reproduction of IRC colours
- total elimination of the shadows on the operation field
- depth illumination to highlight smallest details
- cold light, avoiding dehydration of the tissue
- uniform wave length

These high technology apparatus are designed to guarantee technical-illumination performance, unique of its kind.

Complex mathematical calculations have allowed the creation of the original and revolutionary stratified and in-depth multi-elliptical reflector for intense shadowless light. The reduced dimensions and the lightness of the reflector give the product stability and make it extremely easy to handle. Special filters eliminate the infrared rays generated by the halogen lamp, guaranteeing cold light.

The luminous beam is always in focus, from a minimum distance of 60 cm. The diameter of the illuminated field is manually adjustable by rotating the sterilizable handle at the centre of the reflector.

Other features:

- Luminous intensity can be adjusted electronically by 20000 lux at maximum intensity
 - Central and lateral non stop 360° rotation
 - Rapid engagement handle sterilizable at 134°C
 - Diffusion screen in tempered glass protects luminous source
 - Light aluminium structure (Ø 60 mm) for easy installation
 - Optional battery group consisting of batteries, battery charger, and electric circuit with autonomy 1 hour.
 - "Elliptic" reflector for excellent luminous intensity
 - DLE device consisting of electronic commutation card and reserve lamp for immediate reserve lamp switch-on in case of damage of main lamp (standard for D600, optional for D400).
- Lights include iron anchoring tube, ceiling welded plate, covering and control panel for light intensity regulation. Conform to the 93/42 CE Medical Device directive and marked CE as a CLASS I medical device.

GIMA code	Elliptic Scialytic lights*
30716	D600 Elliptic light: 150,000 lux
30717	D800 Elliptic light: 200,000 lux (100,000+100,000)
30718	D1000 Elliptic light: 250,000 lux (150,000+100,000)
30719	D1200 Elliptic light: 300,000 lux (150,000+150,000)

*Specify ceiling height with order

GIMA code	Accessories
30731	Spare bulb D400
30729	Spare bulb D600
30732	Spare autoclavable handle
30728	DLE commutation with reserve bulb**
30726	Battery group for D600***
30727	Battery group for D800/D1000/D1200***

Standard with D600, optional for D400 * To be installed at order

Special filters eliminate infrared rays guaranteeing cold light

Shadowless: total elimination of the shadows from operating field

Depth of light to highlight details

Technical specifications:		30716	30717	30718	30719
Performance	Light intensity at 1 m distance (Ec)	150	200 (100+100)	250 (150+100)	300 (150+150)
	Color temperature of radiated energy °K	4200	4200	4200	4200
	Color rendering index (CRI)	94	94	94	94
	Light field adjustable from/to cm	11/23	10/18	11/23	11/23
	Total radiated energy Ee where the illumination reaches max level W/m²	490	230+230	490+230	490+490
Electrical data	Operating power V	—	230 (110 on request) - 50/60 Hz	—	—
	Electrical absorption VA	190	120+120	190+120	190+190
	Lamp type (24V) W	150	100+100	150+100	150+150
	Average lamp life h	1000	2000+2000	1000+2000	1000+1000
General data	Electrical control of the illumination	dimmer	dimmer	dimmer	dimmer
	Colour Ral 7035	Ral 7035	Ral 7035	Ral 7035	Ral7035
	Minimum height of the room cm	299	270	279	289
	Norms Standard	—	93/42 EEC - IEC 60601-2-41	—	—
	Diameter of the cupole cm	63	40+40	63+40	63+63
	Diameter of elliptic reflector cm	56	36+36	56+36	56+56
	Useful lighting surface cm²	2310	740+740	2310+740	2310+2310
	Weight Kg	45	35+35	45+35	45+45



Single Bulb Scialytic Light 100,000 lux

D400 SINGLE-BULB SCIALYTIC LIGHT

Modern scialytic light with innovative design. Its single bulb system focuses the light deeply inside tissues and not only around them. A sterilisable handle enables the user to adjust light field size. Uniform parabola shape for easy cleaning.

Scialytic light with battery group.

Available with battery group with automatic charger, lead acid battery, free maintenance, autonomy 1 hour, recharging time 6 hours.

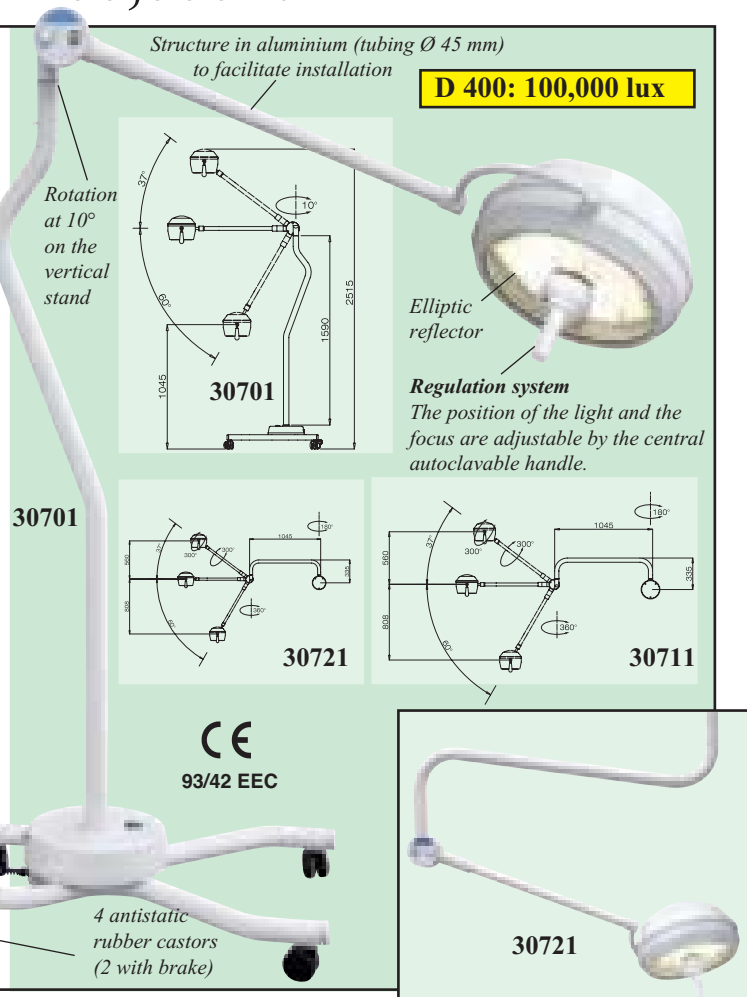
DLE - Lamp switch automatic system - available on request

Light can be equipped with 2 electronically controlled halogen lamps. In case the main lamp does not work, the second lamp automatically takes over it and a LED flashes to warn.

Technical specifications

Halogen bulb 100 W 24V G 6.35
Power consumption: 100 W
Bulb life: 2,000 h at 22.8 V
Light intensity: 100,000 lux from the distance of 1 m.
Colour temperature: 4,200 K +/- 5%
Diameter illuminated field: from 100 to 180 mm.
External diameter of the reflector: 400 mm.
Colour: white RAL 7035
Regulations: IEC 60601-2-41 **CE** 93/42/EEC, EMC 89/336CEE
Weight: 34 Kg. (mobile stand version)
Power supply: 230/24 V - 50 Hz. (110V on request)
Made in Italy

GIMA code	D400 Single bulb scialytic lights
30701	Scialytic light - mobile
30702	Scialytic light - mobile with Battery group and automatic charger
30711	Scialytic light - wall
30721	Scialytic light - ceiling
30731	Spare halogen bulb 100 W, 24 V
30732	Spare autoclavable handle - for single bulb scialytic
30728	DLE - Lamp switch automatic system



Scialytic Lights - 3 halogen bulbs - 50,000 lux

SCIALYTIC LIGHT with three 25W-12V halogen bulbs

The multiple luminous fonts and the parabolic arch calculated for each parabola avoid shaded areas. Sensible mechanical movement allows easy positioning and adjustability.

A practical sterilizable handle allows to focus the light beam. Does not require periodical maintenance.

Bulb-replacement (life 3,000 hours) is extremely easy.

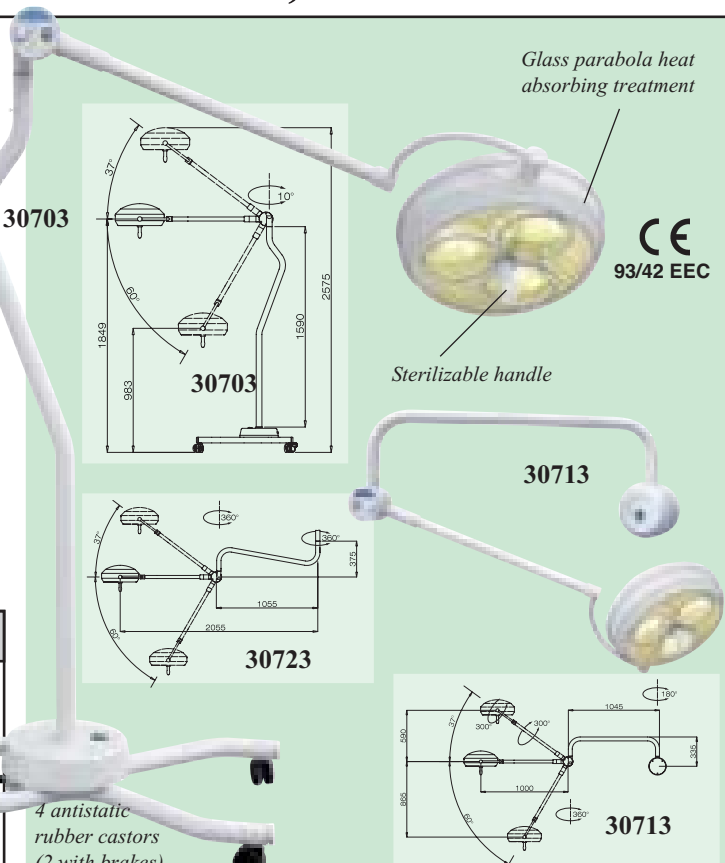
Battery group with automatic charger:

Light is available with battery group. Lead acid battery, free maintenance, autonomy 1 hour, recharging time 6 hours.

Technical specifications

Light intensity: 50,000 lux from a distance of 1 m
Diameter of the reflector: 400 mm.
Light field size adjustable from-to: 84-160 mm
Bulbs: 3 x 25 W - 12 V halogen - life 3000 h
Colour temperature: 4,000° K +/- 5%
Power supply: 230/12V - 50 Hz (110V on request)
Norms: IEC 60601-1, IEC 60601-2-41 - MDD 93/42/EEC
Made in Italy Warranty: 12 months
Mechanical components warranty: 10 years

GIMA code	Scialytic lights with 3 halogen bulbs
30703	Scialytic light - mobile stand
30704	Scialytic light - mobile with Battery group and automatic charger
30713	Scialytic light - wall
30723	Scialytic light - ceiling
30733	Spare halogen bulb 24W, 12V - up to serial no. 8624
30735	Spare halogen bulb 25W, 12V - since serial no. 8625
30734	Spare autoclavable handle - for scialytic 3 bulbs



Saturno Minor Surgery Operating Light - 40,000 lux

MINOR SURGERY LAMP MODEL SATURNO

SATURNO is a shadow-less type lamp suitable for small surgery and first-aid room. Available in three versions: mobile with castors, wall and ceiling.

- Light beams are generated from a 75W 12V halogen bulb.
- Vacuum treated glass parabola eliminates 98% of IR rays enabling cold light.
- Heat is dissipated through aluminium reflector.
- Glass protection filter grants colour temperature of 4,000K.
- Parabolic arc grants shadow less and deep light, no focus adjustment needed

Technical specification

Light intensity at 1 m distance	Klux	40
Color temperature of radiated energy	K°	4,000
Halogen bulb 75W 12V G.6.35	No.	1
Consumption	W	1 x75W
Average lamp life of halogen bulb approximately at 12V	h. ± 10%	1,500
CRI (Colour rendering Index)	Ra	94
Light field where the illumination reaches 10% of Ec (d10)	Ø mm.	150
Depth of illumination (L1+L2) at 20%	mm.	1.280
Focusable at a distance from - to	cm.	60 - 200
Absorption infra-red rays	%	98
Total radiated energy Ec	W/m²	190
Radiated UV energy with wavelength less than 400 nm	W/m²	1.9
Light body diameter	mm	230
Glass parabola diameter	mm	160
Useful lighting surface of the cupola	cm²	200
Sterilizable handle	No.	1
Colour	RAL	7035
Weight (ceiling, mobile, wall)	Kg.	26 - 31 - 22
Power requirements	V	230 (110 on request)
Minimum height of the room (ceiling version)	mm	2,340

Standards:

IEC 60601-2-41, MDD 93/42 CEE, medical device of Class I,

GIMA code	Saturno Lights
30705	Saturno light - mobile stand
30709	Saturno light - mobile stand with battery group with automatic charger - autonomy 1 hour
30706	Saturno light - wall
30707	Saturno light - ceiling
30708	Spare halogen bulb 75W - 12V - G 6.35
	Battery group available on request for all models

Rotation at 10°
on the vertical stand
without need to rotate base

Cold light: the parabola in
optical glass is vacuum
treated with deposit of thin
layers to filter the infrared
rays (heat) and allows
issuing cold light onto the
operative field

360° rotation
without stopping

Vertical movement

30707

4 antistatic rubber
castors (2 with brake)

30705

Load bearing "Light structure"
in aluminium with tubing Ø 45
mm facilitates installation for
any type of ceiling or wall

30706

Scialytic-Type Light - 40,000 lux

Code 30700 POLAR LIGHT - on trolley
Scialytic-type lamp with cold and deep light
Halogen 50W 24V - 40.000 lux

The light beam is generated by halogen bulb 50W 24V located inside a fused-glass parabola with thin-layer treatment to filter infrared beams.

This treatment permits to obtain "cold light".

Other fixing systems available (wall, rail, table) - see page 99

Code 30730 SPARE BULB for POLAR LIGHT

Technical specification

Power consumption: 50 W - 24 V
Bulb life: 1,500 h
Light intensity: 40,000 lux at 50 cm, 25,000 lux at 1 m
Colour temperature: 4000°K +/- 5% at 1 m
Illuminated field at 50 cm: ø 200 mm
External diameter of the reflector: 230 mm
Regulations: CEI 62-5, IEC 601-1
CE, 93/42/EEC, IMQ
Power supply: 230V - 50 Hz - 50 VA
Weight: 12 kg
Made in Italy

CE
93/42

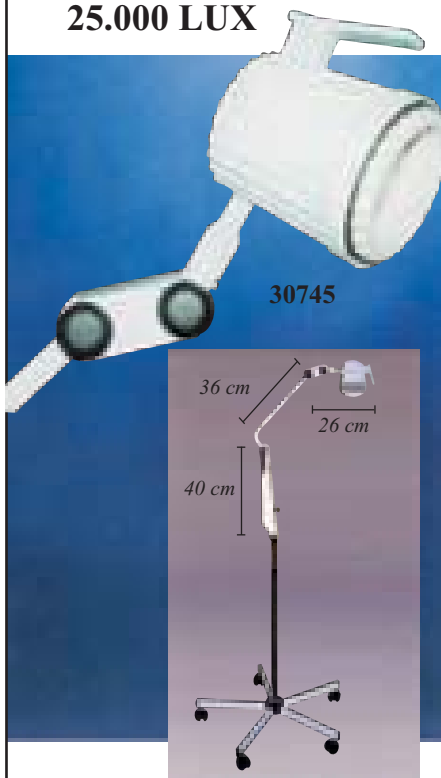


CEI 62-5

Halogen and fluorescent lights

CE
93/42

25.000 LUX



Code 30745 SOLESUD on trolley
Halogen examination light with articulated joint arm.
Code 30746 SOLESUD wall

Suitable for gynaecology, examination and head-bed. This lamp is equipped with a halogen dichroic bulb 50W 12V situated inside the plastic reflector and protected by a tempered glass. Lamp head is fully sealed against dirt and fluid spray. Arm is made with articulated joint and mechanical frictions. A light beam of 180 mm diameter at a distance of 50 cm allows precise and reliable examinations.

Base with 5 rotary spokes, 900 mm height. Generates a light intensity of: 25,000 lux at 50 cm. Made in Italy.

Code 30765 SPARE BULB SOLESUD - 50W
Code 30769 SPARE TROLLEY

20.000 LUX

CE
73/23


Code 30760 SIMPLEX on trolley
Halogen examination light with flexible arm.

Code 30761 SIMPLEX wall

Code 30762 SIMPLEX table with clamp
An economic solution for your ambulatory!

This lamp is equipped with a halogen dichroic bulb 35W 12V situated inside the aluminium reflector and protected by a tempered glass.

Thanks to its flexible arm (700 mm long) it bends everywhere the task requires without interfering with operator's view. Supplied on a 5 castors stand for easier mobility.

Generates a light intensity of:

20,000 lux at 50 cm. Made in Italy.

Code 30766 SPARE BULB SIMPLEX - 35 W

Code 30768 SPARE TROLLEY

30740



CEI 62-5

Code 30740 SOLENORD on trolley
Magnifying glass self-illuminating fluorescent cold light - 3 dioptries
Code 30741 SOLENORD wall

Suggested for dermatology, this model is equipped with a biconvex magnifying glass diameter 120 mm, in optical glass. The cold fluorescent light allows prolonged use.

Light source protection in plexiglass. Thanks to its spring arm and to the 5 castors trolley it is very easy to change its position whenever necessary. Fluorescent circline 230 V. This light has been certified by IMQ the most important Italian notified body for certification. Made in Italy.

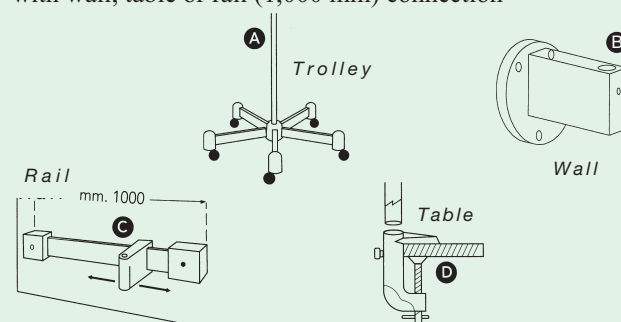
Code 30767 SPARE
FLUORESCENT LAMP - 22W
Code 30769 SPARE TROLLEY

All lights available also at 110 V

Model	SOLESUD	SIMPLEX	SOLENORD
Type of lighting	halogen	halogen	fluorescent
Consumption (Watt)	50	35	22
Life of the bulbs (hours)	5,000	5,000	6,000
Light intensity at 50 cm (lux)	25,000	20,000	550
Light intensity at 1 m (lux)	6,500	4,500	275
Colour temperature +/- 5% at 1 m (K)	3,000	3,000	4,550
Light field size at 50 cm (ø mm)	180	100	-
Dimmer	yes	no	no
External diameter of the reflector (ø mm)	80	105	230
Temperature increase at 1 m. (°C)	1	1	0
Colour	white	white	white
Norms	IEC 601-1	IEC 598-1	IEC 601-1
Marks	CE93/42	CE 73/23/EEC	CE93/42 - IMQ
Weight (kg)	6	5	7
Operating voltage V-Hz	230 - 50/60	230 - 50/60	230 - 50
Adjustment height with castors base: min and max approx cm.	60-180	60-180	60-180

FIXING SYSTEMS

SOLENORD, SOLESUD, SIMPLEX and POLAR are usually supplied on 5 castors trolley. On request we can supply them with wall, table or rail (1,000 mm) connection



Wood Blue Lights: trolley, manual and pocket models



31195

Code 31195 WOOD DELUXE - manual
Code 31199 WOOD DELUXE - on trolley
 These new models have integrated rectangular biconvex magnifying glass 105x53 mm - 4 dioptries.
 Size: 200x195xh47 mm - Weight: 0,3 kg
Code 31198 NEON BULB 4W - spare



31199

Code 31191 WOOD BLUE LIGHT - manual
Code 31192 WOOD BLUE LIGHT - on trolley
 Special blue fluorescent light for the detection of details and colours invisible under normal light system.
Code 31193 1.5X MAGNIFYING LENS - optional
Code 31194 NEON BULB 6W- spare (435 x Ø 25 mm)

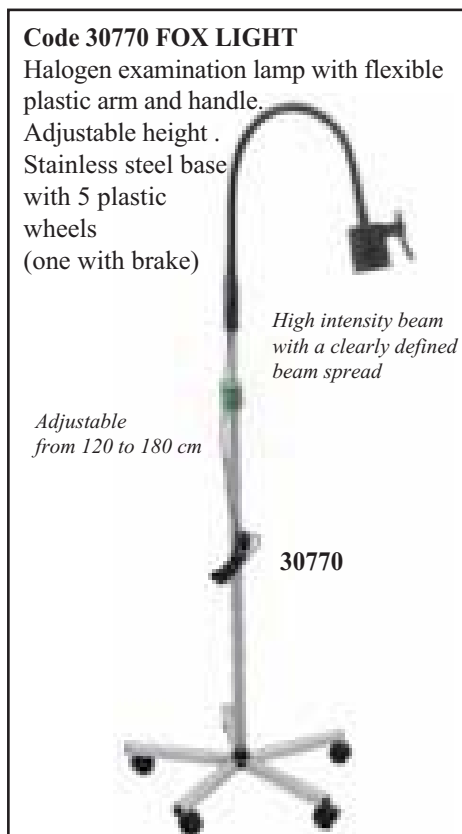


31191

31189

Code 31189 POCKET WOOD LIGHT
 Pocket ultraviolet light, to detect skin disorders. Also provided with a standard white light 3W. Works with 4xAA batteries with 4-6 hours autonomy.
Technical specifications (31191-31192-31195-31199)
 Length long wave 360 nm
 Norms: CEI 62-5, IEC 601-1, CE 93/42/EEC
 Operating voltage: 230 V-50 Hz (60 Hz on request) (not available at 110 V)

Halogen light



30770

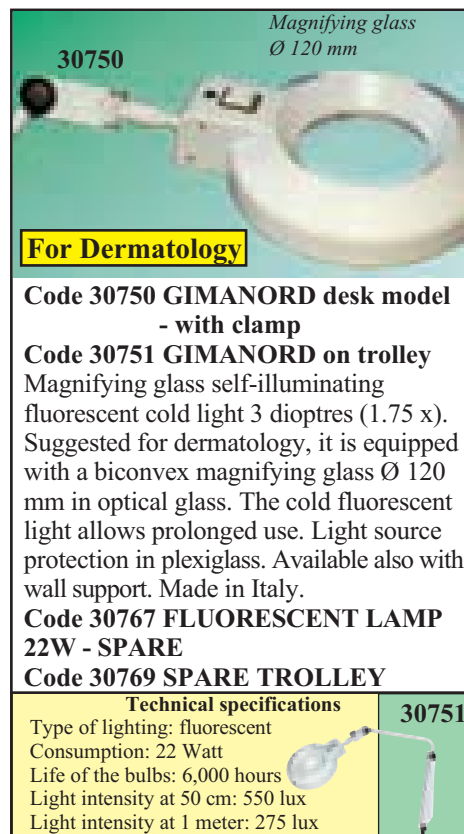
Code 30770 FOX LIGHT
 Halogen examination lamp with flexible plastic arm and handle. Adjustable height. Stainless steel base with 5 plastic wheels (one with brake)

High intensity beam with a clearly defined beam spread

Adjustable from 120 to 180 cm

Technical specifications
 Consumption: 50 W
 Power supply: 230V - 50Hz
 Luminous intensity: 13.000
 Luminous intensity at 50 cm:
 Colour temperature: 3000 K

GIMANORD



30750

Magnifying glass Ø 120 mm

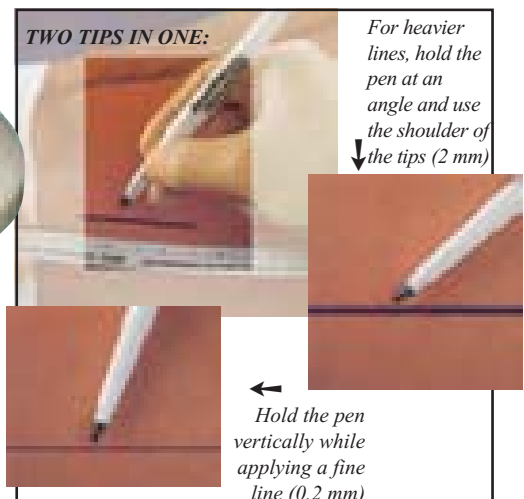
For Dermatology

Code 30750 GIMANORD desk model - with clamp
Code 30751 GIMANORD on trolley
 Magnifying glass self-illuminating fluorescent cold light 3 dioptries (1.75 x). Suggested for dermatology, it is equipped with a biconvex magnifying glass Ø 120 mm in optical glass. The cold fluorescent light allows prolonged use. Light source protection in plexiglass. Available also with wall support. Made in Italy.
Code 30767 FLUORESCENT LAMP 22W - SPARE
Code 30769 SPARE TROLLEY

Technical specifications
 Type of lighting: fluorescent
 Consumption: 22 Watt
 Life of the bulbs: 6,000 hours
 Light intensity at 50 cm: 550 lux
 Light intensity at 1 meter: 275 lux
 Colour temperature +/- 5% at 1 m: 4,550 °K
 External diameter of the reflector: 230 mm
 Norms: IEC 598-1 Marks: CE (73/23 IEC)
 Weight: 6 kg
 Operating voltage: 230 V - 50 Hz (available 60 Hz with transformer)
 Adjustable height (30751): 60-180 cm

30751

Skin Marker



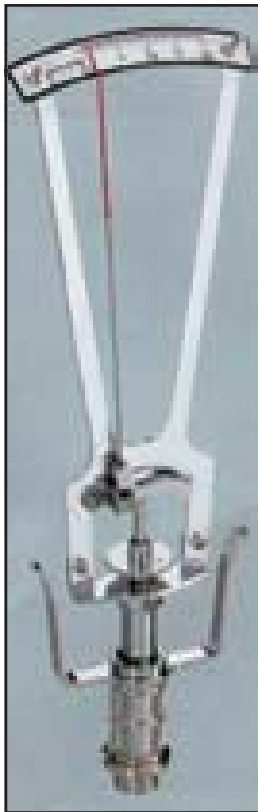
TWO TIPS IN ONE:

For heavier lines, hold the pen at an angle and use the shoulder of the tips (2 mm)

Hold the pen vertically while applying a fine line (0.2 mm)

Code 33180 CLINICON - sterile
 The Clinicon® Surgical Skin Marker features a versatile tip for precise fine line marking preferred in plastic surgery. Or when held at an angle, broad line marking for applications in general, neuro and vascular surgery, as well as radiology and radiation therapy. The marker's Gentian violet ink is nontoxic, non tattooing and surgical prep-resistant. Markings can be removed from the skin with isopropyl (rubbing) alcohol. The gamma radiation sterilized package is easy to open, HIBC bar coded and includes a separate six inch, flexible ruler calibrated in both inches and centimeters.
minimum order: 10 pcs.

Schiötz Tonometer



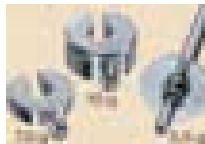
**Code 31220 SCHIÖTZ
TONOMETER - straight scale**

**Code 31222 SCHIÖTZ
TONOMETER - inclined scale**

A masterpiece of precision mechanism, measures intraocular pressure according to Prof. Schiötz standard. All the vital parts made of stainless steel. Agate stone inserted. Set 3 weights included (5.5 - 7.5 - 10g). Scale specification 5. In black deluxe case with velvet-look inserts. Perfect reading of the scale with red pointer. **CE 0124**
Made in Germany.

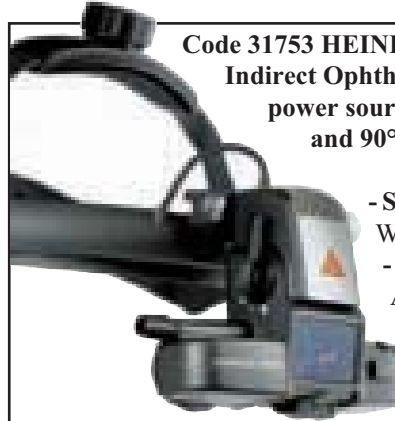


31220 straight



31222 inclined

Heine Omega 500®



**Code 31753 HEINE OMEGA 500 - Binocular
Indirect Ophthalmoscope with mPack
power source, rheostat, transformer
and 90°, angled adapter**

- Super light weight

Weighs only 450g!

- Clearer, Crisper views

A new illumination system, including Xenon Halogen Technology bulb produce less reflexes off the cornea and clear, high resolution images

of the fundus that are up to 100% brighter.

- Enhanced variable pupil function

Allows for the precise, synchronized selection of observation and illumination optics for any pupil size. This patented system has been optimized and will now provide stereopsis in pupils ranging from 10mm down to 1mm.

- Fully featured

3 Spot sizes: Large, Medium, and Small. Integrated diffused light filter. 3 Integrated Filters: Red-free, Cobalt Blue, and Yellow.

- Omega headband comfort

Articulating Rear Hinge provides vertical adjustment of the rear band of the headband for individual placement.

Biological Microscopes - magnification 40X-1600X

Code 31001 BIOLOGICAL MICROSCOPE - 40X to 1600X

High level microscope with high resolution and transmission

Main features:

- Compensation free binocular head
- Eyepiece WF 10X, P16X
- Semi-plan achromatic objectives 4X, 10X, 40X(s), 100X(s, oil)
- Quadruple nosepiece
- Mechanical stage double layers 140 x 140 mm / movement range 75 x 50 mm
- Halogen lamps illumination 220V-50Hz/6V 20W



Precise focusing system.



Easier comparing test with dual slides finger of mechanical stage.



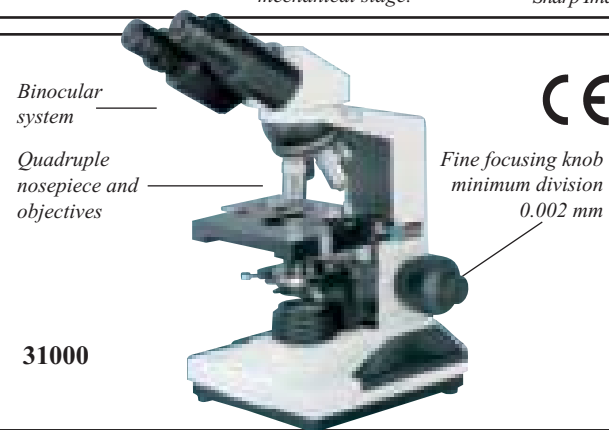
Big Operating Space with Backwards Nosepiece. Sharp Image with high quality objectives.

CE

Fine focusing knob



31001



Binocular system

Quadruple nosepiece and objectives

Fine focusing knob minimum division 0.002 mm

31000

Code 31000 BIOLOGICAL MICROSCOPE - 40 to 1000X

- 30° compensation free binocular head
- Eyepiece 10X (Field 18 mm)
- Achromatic objectives 4X, 10X, 40X(S), 100X(S, oil)
- Total magnification 40x, 100x, 400x, 1000x, depending on objective
- Interpupillary distance adjustment: from 55 to 75 mm
- Mechanical stage, double layers 125 x 135mm
- Movement range: 75 x 35mm
- Abbe condenser with iris diaphragm and filter
- Halogen lamp 6V, 20W - brightness adjustment, power supply: 220 V - 50 Hz

Code 31005 SPARE BULB (for both 31000)

GIMA Halogen Skin Surface Microscopes 10X

Code 31187 GIMA DERMOSCOPE - 10X

Advanced skin surface microscope opens up a new dimension in the diagnosis of pigmented skin lesion by offering you long-lasting halogen illumination for the true tissue colour and 10X magnification for greater detail, resulting in more accurate diagnoses. Supplied in a useful nylon bag, with spare autoclavable contact plate with 0-10 mm scale. Latex free.

Code 31183 DERMATOLOGY OIL - box of 4 bottles of 12.5 ml

Code 32203 "C" BATTERIES - blister of 2 pcs.

Code 31479 SPARE BULB

Technical specifications

2.5V halogen light
Battery operating (2x"C" site)
Advanced 10X optic system, Reticla contact plate
Easy to focus, with large focus ring
Fully portable with its pouch



31183



31187

Heine DELTA 20® Dermatoscopy Set

Code 31182 HEINE DELTA 20® DERMATOSCOPE - 2.5V

The DELTA 20 with 6-LED full-illumination or 3-LED lateral illumination combined with high-resolution precision optics using achromatic lenses is the result of dedicated research by HEINE.

- The illumination of the 6 LED's is not direct, but rather projected through precision cylindrical light guides, producing a much more homogeneous light.
- Can choose to illuminate with just three LED's for lateral illumination, increase contrast significantly.

- Ocular-opening with a Ø of 21 mm for a much larger view
- Precision focusing mechanism with range of ± 6 dioptres
- Contact plate always in contact with skin for better image
- Field of view of 23 mm diameter: area of 380 mm² all in focus

Supplied in hard case with 2.5V battery handle, contact plate Ø 23 mm with scale, 10 ml dermatoscopy oil and dermatoscopy compendium.

Code 31180 HEINE DERMATOSCOPE DELTA 10

Code 31181 HEINE DERMATOSCOPE MINI 2000










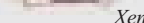

HEINE
OPTOTECHNIK








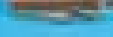
31182



Heine original Bulbs

HEINE bulbs Halogen 2.5 V	HEINE ref.	GIMA code	Compatible with following HEINE products
 Xenon	035	31769	F.O. Laryngoscopes - Sanalon handle
	037	31771	K100 and Beta® 100 otoscopes Laryngeal mirrors F.O. mini 2000 otoscope Alpha® otoscope Mini/Alpha tongue holders
	038	31773	Miroflex ophthalmoscope HFR2 spot retinoscope Delta®10 dermatoscope
	041	31774	Fibrilux mini otoscope Mini 2000 combilamp Mini 2000 cliplamp Mini 1000 cliplamp
	042	31780	Alpha® ophthalmoscope Mini 2000 ophthalmoscope Alpha® Focalux Mini Miroflex ophthalmoscope Mini 2000 Focalux
	056	31770	Minilux otoscope Mini 2000 otoscope
	069	31781	Beta® 200 ophthalmoscope
 Xenon	077	31772	Beta® 200 e 200 VET, K 180 oto Lambda 100 retinometer Delta®10 plus dermatoscope
	084	31782	K180® ophthalmoscope

Compatible German Bulbs

GIMA bulbs Made in Germany	GIMA code	Compatible with the following products
LARYNGOSCOPE BULBS		
 Conventional laryngoscope SMALL bulb 2.7 V	34324	Gima, Riester, And, Kawe, Timesco Truphatek and most of conventional laryngoscopes in the market (generally used for blades N° 00, 0, 1)
 Conventional laryngoscope LARGE bulb 2.7 V	34325	Gima, Riester, And, Kawe, Truphatek, Timesco and most of conventional laryngoscopes in the market (generally used for blades N° 2, 3, 4)
 Halogen bulb for F.O. Laryngoscope	34485	Gima, And, Kawe and most of F.O. laryngoscopes in the market. Compatible for products that use Heine Bulb # 035
OTOSCOPE-DERMATOSCOPE BULBS		
 Otoscope bulb	31449	Parker otoscopes and some otoscopes of Riester, Timesco and Kawe
 Halogen bulb for otoscope	31478	Gimalux otoscopes, Kawe and Riester mini otoscopes Compatible for products that use Heine bulb #037
 Halogen Dermatoscope bulb 2.5 V	31188	Gima dermatoscope Compatible for products that use Heine Bulb #038

Heine Oto-Ophthalmoscopes



Code 31720 HEINE K 100 HALOGEN OTOSCOPE

Otoscope with BETA battery 2.5V handle with rheostat and 3 reusable specula in nylon pouch.

Code 31771 HEINE 037 OTOSCOPE BULB 2.5V - spare



Code 31740 HEINE K180 - F.O. SET

Otoscope and ophthalmoscope K180 with BETA battery 2.5V handle and a set of single use specula. Supplied in hard case.

Code 31782 HEINE 084 OPHTHALMO BULB 2.5V - spare

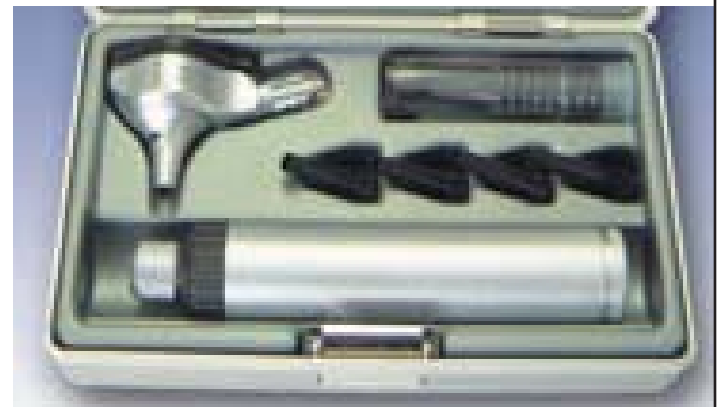
Code 31772 HEINE 077 OTOSCOPE BULB - spare



Code 31730 HEINE BETA 200 HALOGEN OPHTHALMOSCOPE

The ophthalmoscope's unique aspherical optic system eliminates corneal and iris reflexes. The illuminated area of the retina remains fully visible even in case of small pupil (bright light). BETA 200 has 6 diaphragms with separately interlocking "green interferential filter". It is recommended for small or expanded pupils; suitable for slit or fluorescent ophthalmoscopy as well as for fixation test. Range -35D to +20D. Supplied in hard case with replacement bulb.

Code 31781 HEINE 069 OPHTHALMO BULB -2.5 V - spare



Code 31725 HEINE BETA 200 F.O. OTOSCOPE

F.O. Otoscope with BETA battery 2.5V handle with rheostat, a set of single use specula, a set of reusable specula and a spare bulb. Supplied in hard case.

Code 31772 HEINE 077 OTOSCOPE BULB - spare

Heine mini 2000 Oto-Ophthalmoscopes



Code 31700 MINI 2000 HALOGEN OTOSCOPE - black

Code 31701 MINI 2000 HALOGEN OTOSCOPE - blue

Code 31702 MINI 2000 HALOGEN OTOSCOPE - green

Pocket otoscope with battery handle in blister with 10 single use specula.

Code 31705 MINI 2000 F.O. OTOSCOPE - black

Same as 31700 but with F.O. illumination

Code 31710 MINI 2000 OPHTHALMOSCOPE - black

Code 31711 MINI 2000 OPHTHALMOSCOPE - blue

Dust-proof design, excellent brightness, 4 different apertures including green filter, suitable for all examination purposes. Supplied in blister. Range -20D to +20D.

Code 31715 MINI 2000 OTO-OPHTHALMO

Sets includes 4 reusable speculum, 10 disposable speculum, 1 handle, 1 F.O. otoscope head, 1 ophthalmo head, in a soft pouch

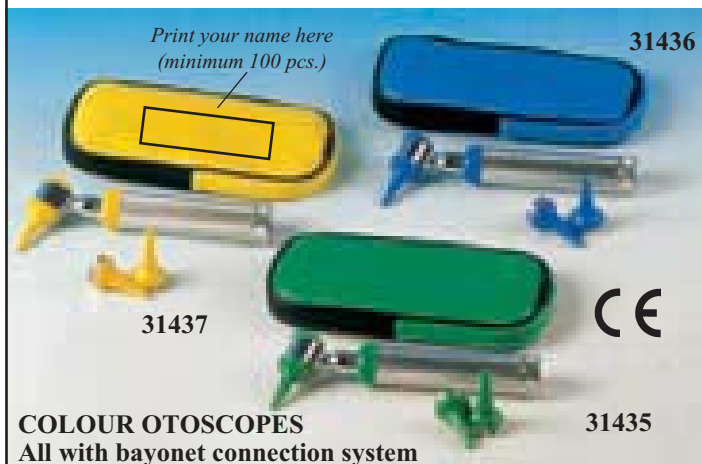
Code 31770 HEINE 056 OTOSCOPE BULB 2.5V - spare - for 31700/31701/31702

Code 31771 HEINE 037 OTOSCOPE BULB 2.5V - spare - for 31705/31715

Code 31780 HEINE 042 OPHTHALMO BULB 2.5V - spare - for 31710/31711/31715



GIMA Otoscopes: Parker line



PARKER OTOSCOPES

- Reliable and indestructible high quality instrument
- Invaluable for everyday ear nose and throat use
- Easily adjustable Neutral 2.5v vacuum light (made in Germany)
- Quality 3 times magnifying lens
- Available with Plug in and snap (bayonet locking) or knurled

screw type otoscope heads

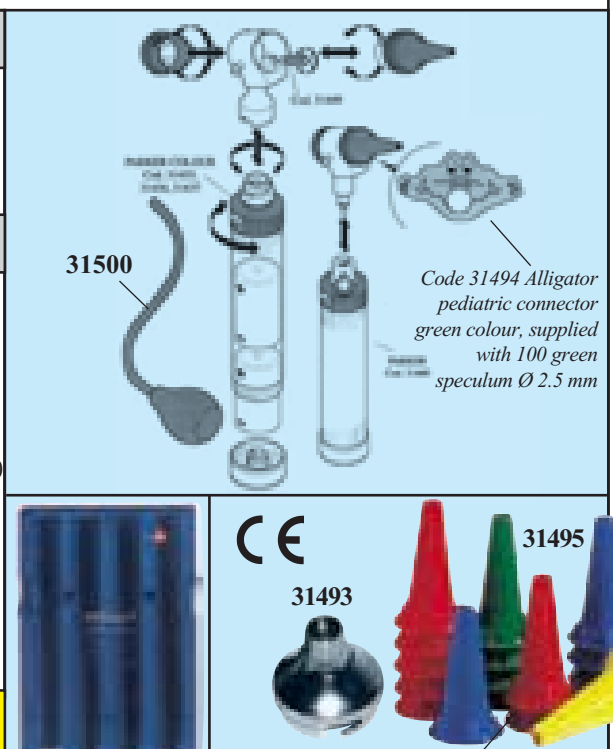
- Ideal for pneumatic tympanic membrane tests, can also be used for rhinoscopic examinations
- Supplied with 3 autoclavable ear funnels in a colour coordinated zip bag. All latex free.
- Require 2 x C batteries (not included)

GIMA code	Parker Oscopes	Connection system	Ear Funnels
31435	Parker colour - green	● Bayonet	Ø 2.5, 3.5, 4.5 mm
31436	Parker colour - blue	● Bayonet	Ø 2.5, 3.5, 4.5 mm
31437	Parker colour - yellow	● Bayonet	Ø 2.5, 3.5, 4.5 mm
31440	Parker - black	● Screw	Ø 2.5, 3.5, 4.5 mm
31442	Parker veterinary- black	● Screw	Ø 4, 5, 7 mm

GIMA code	Accessories for Parker Oscopes - latex free	Minimum order
31447	Set 3 autoclavable veterinary speculum Ø 4, 5, 7 mm	-
31448	Set 3 autoclavable speculum Ø 2.5, 3.5, 4.5 mm	-
31449	Bulb for Parker Oscopes	-
31491	Disposable Mini ear-speculum Ø 2.5 mm - black *	box of 100
31492	Disposable Mini ear-speculum Ø 4 mm - black *	box of 100
31493	Connector to GIMA Parker otoscope for Mini ear-speculum	-
31494	ALLIGATOR connector (supplied with 100 ear speculum)	-
31495	Disposable Mini ear-speculum mixed colours and Ø *	box of 1,000
31496	Disposable Mini ear-speculum Ø 2.5 mm - blue *	box of 100
31497	Disposable Mini ear-speculum Ø 4 mm - blue *	box of 100
31498	Disposable Mini ear-speculum Ø 2.5 mm - green *	box of 100
31499	Disposable Mini ear-speculum Ø 4 mm - green *	box of 100
31500	Pneumatic bulb for Oscopes (specify colour)	-
31501	Dispenser for mini speculum	-
32203	"C" Alkaline batteries	blister of 2

* For use with Parker otoscope need adaptor code 31493

Mini EAR speculum 31491, 31492, 31495, 31496, 31497, 31498, 31499 are compatible with Gimalux, Heine and Kawe "mini" otoscopes



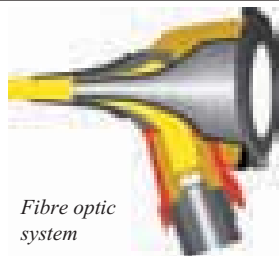


Fibre Optic Halogen Otoscopes

Code 31520 GIMALUX OTOSCOPE - black
Code 31521 GIMALUX OTOSCOPE - blue
Code 31522 GIMALUX OTOSCOPE - green

High professional plastic otoscopes with extra bright halogen light provided by fibre optic system. Quality 3 times magnifying movable lens. Output for pneumatic membrane test. Supplied with 7 single use mini speculum (Ø 2.5 and 4 mm) in a color coordinated nylon bag. For mini ear-speculum refer to the table at page 104. All latex free.

Code 31478 HALOGEN BULB
Code 32202 "AA" ALKALINE BATTERIES - blister of 4 pcs



Parker Diagnostic Sets

Code 31471 PARKER DIAGNOSTIC SET

Lightweight, robust plastic case containing one Parker otoscope, 3 autoclavable ear speculum (Ø 2.5, 3.5 and 4.5 mm), 2 laryngeal mirrors (size 3 and 4), bent arm throat lamp, tongue spatula, adjustable nasal speculum.

Code 31473 PARKER LARGE SET WITH OPHTHALMO

Same as code 31471 with an ophthalmoscope head, and support for single use tongue depressors.

Code 31446 SPARE BULB FOR OPHTHALMOSCOPE

Code 32203 "C" ALKALINE BATTERIES - blister of 2 pcs



Halogen Otoscope, Ophthalmoscope and Set



Code 31475 HALOGEN PARKER OTOSCOPE

Same as PARKER Otoloscope cod. 31440 but with halogen 2.7V bulb and bayonet connection system.

Supplied with 3 autoclavable ear funnels in a soft bag.

Requires 2xC batteries (not included).

Code 31476 HALOGEN PARKER OPHTHALMOSCOPE

2.7 V Halogen Light for true tissue colour and consistent, long lasting illumination 24 colour coded Lenses - 25 to + 40

Dioptres for excellent resolution (green for +, red for -)

Rubber eye brow rest to prevent scratching of eye-glasses

Illumination lens dial for clear identification of diopetre setting.

Supplied in a semi-rigid nylon bag.

Code 31477 HALOGEN OTO-OPHTHALMOSCOPE SET

Diagnostic set including one handle, one halogen otoscope head and one halogen ophthalmoscope head, all in a plastic case.

All products are latex free.

Code 31478 HALOGEN BULB FOR OTOSCOPE

Code 31479 HALOGEN BULB FOR OPHTHALMOSCOPE

Code 32203 "C" ALKALINE

BATTERIES - blister of 2 pcs



+	1, 2, 3, 4, 5, 6, 8, 10, 12, 15, 20, 40
-	1, 2, 3, 4, 5, 6, 8, 10, 15, 20, 25

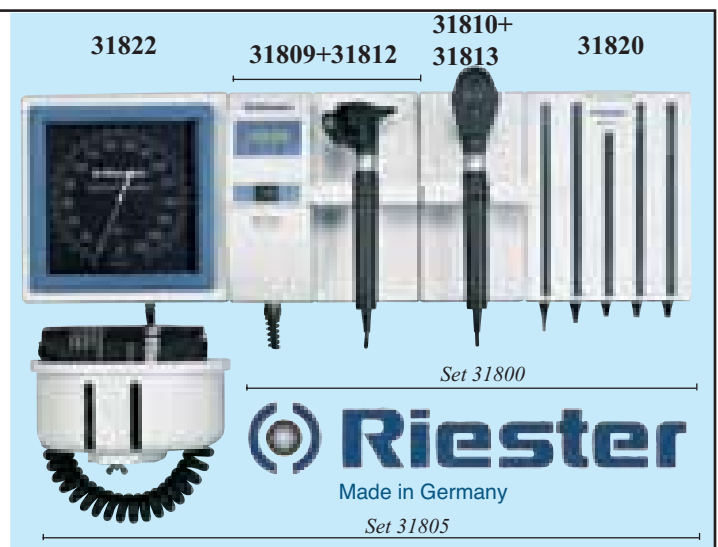
Ri-Former® the Modular Diagnostic Station 3.5V



RI-FORMER MODULAR DIAGNOSTIC STATION

The modular diagnostic station can be individually combined according to requirements and the room situation, it is variably extendable to the right and the left. The basic ri-former® module is available with one handle and can be supplemented with up to 4 further handle modules.

- 3.5 V xenon or LED illumination creates lighting conditions similar to daylight.
- Optimum electronic efficiency by the use of adjustable switch.
- Constant output voltage independent from the mains supply prolongs the service life of the lamps and guarantees optimum light intensity.
- Automatic switching on/off of handles when removing or replacing them in the handle unit saves energy and increases the service life of the lamps. The adjusted light intensity setting remains until the next examination.
- Non-slip, ergonomically designed handles with rheostat: infinitely variable regulation of brightness as well as manual switching on/off possible on the handle.
- Spiral cord expandable up to 3 m.
- Developed and manufactured in Germany.



GIMA code	Modular Diagnostic Station
31800	Ri-Former Diagnostic station 3.5-230V-standard (include 2 handle oto and ophthalmoscopy head, ear specula dispenser, clock)
31805	Ri-Former Diagnostic station 3.5-230V-large (include 31800 + sphygmomanometer)
Ri-Former modules and heads	
31809	Basic diagnostic station 1 handle
31810	Extension module 1 handle
31811	Ri-scope F.O. otoscope head - LED 3.5 V
31812	Ri-scope F.O. otoscope head - Xenon 3.5 V
31813	Ri-scope F.O. ophthalmoscope head - Xenon 3.5 V
31814	Ri-scope F.O. retinoscope head - Xenon 3.5 V
31815	Ri-scope F.O. dermatoscope head - LED 3.5 V
31820	Ri-spec ear specula dispenser - specula not included
31822	Sphygmomanometer with basket
31825	Otoscope bulb 3.5 V - spare
31826	Ophthalmoscope bulb 3.5 V - spare

Gowllands Otoscopes and Ophthalmoscopes

Code 31301 MINI OTOSCOPE
Mini Otoscope with fixed light without rheostat with 3 aural and 1 Nasal specula in sterilizable black nylon and battery handle, in grey pouch. Spare lamp mod. 310.

Code 31302 STANDARD OTOSCOPE
Otoscope with 3 aural and 1 Nasal specula in sterilizable black nylon and battery handle mod. 43. Spare lamp mod. 12.

Code 31312 DISPOSABLE EAR-SPECULUM Ø 2.5 MM

Code 31314 DISPOSABLE EAR-SPECULUM Ø 4 MM

Code 31316 CONNECTOR TO GOWLLANDS OTOSCOPES FOR 31312/31314

Compatible with some models of RIESTER, GOWLLANDS and other brands

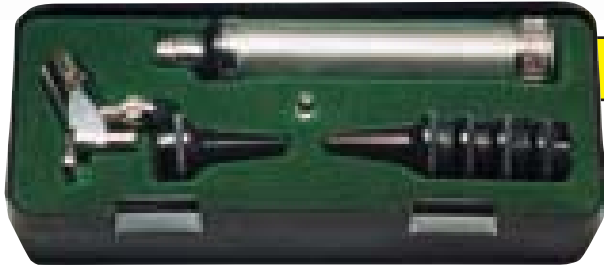
Code 31320 OPHTHALMOSCOPE 3008 M
Ophthalmoscope with battery handle mod. 43 and spare lamp mod. 13, all fitted in a grey plastic case.

Code 31326 OTO-OPHTHALMOSCOPE 3028 N
Oto-ophthalmoscope and accessories: 3 reusable specula in sterilizable black nylon, battery handle mod. 43 and spare lamp. All fitted in a grey plastic case.

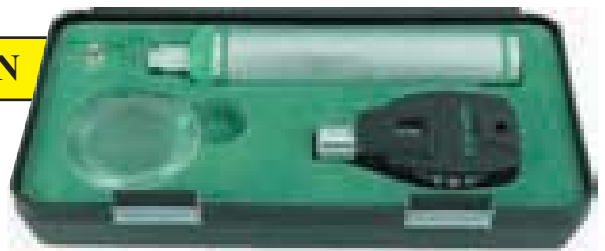
Halogen Oto-Ophthalmoscopes with Mayfield Head



Code 31344 HALOGEN MAYFIELD "GRANDE RIUNITO" SET
Diagnostic set including: otoscope, ophthalmoscope, 5 reusable specula in sterilizable black nylon, Duplay nasal speculum, laryngeal mirror, post-nasal mirror, throat lamp, chrome-plated tongue depressor, battery handle, halogen spare lamp mod. 611 M, all fitted in a lined case. Made in England.
Code 31416 HALOGEN MAY "GRANDE RIUNITO" VET SET
Same as code 31344 but with veterinary specula. Made in England.
Code 31418 HALOGEN LAMP 611M - OPHTHALMOSCOPE
Code 31419 HALOGEN LAMP 638 - OTOSCOPE



HALOGEN

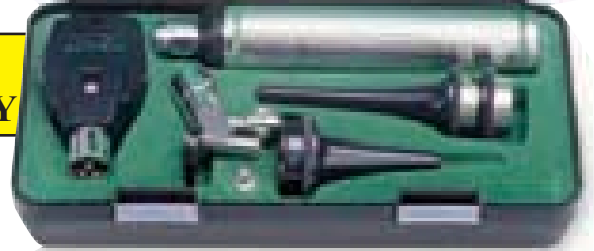


Code 31340 MAYFIELD HALOGEN OTOSCOPE
Open otoscope with 5 reusable specula in sterilizable nylon, battery handle, halogen spare lamp mod. 638, fitted in a lined case.

Code 31342 MAYFIELD HALOGEN OPHTHALMO
Ophthalmoscope with battery handle, halogen spare lamp mod. 611 M, magnifying lens, all fitted in a stylish lined case.



**HALOGEN
VETERINARY**



Code 31414 VET MAYFIELD HALOGEN OTOSCOPE
Veterinary otoscope with 5 reusable specula in sterilizable black nylon, battery handle, halogen spare lamp mod. 638, all fitted in a stylish lined case. Made in England.

Code 31415 VET HALOGEN MAYFIELD OTO-OPHTHALMO
Set including: otoscope, ophthalmoscope and accessories: 3 reusable veterinary specula in sterilizable black nylon, battery handle, spare halogen lamp, all fitted in a stylish lined case.

Gowllands Diagnostic Set: oto-ophthalmo-laryngeal

Code 31330 GRANDE RIUNITO 3003

The complete set intended for examining the ear, eye, nose and throat comprises otoscope, ophthalmoscope and their accessories: 3 reusable aural specula in sterilizable black nylon, Duplay nasal speculum, bent arm throat lamp, chrome-plated tongue depressor, laryngeal mirror 22 mm diam., post-nasal mirror 18 mm diam., battery handle, spare lamp mod. 12, all fitted in a stylish black plastic case. Made in England

Code 31376 SPARE LAMP mod 12 - otoscope

Code 31377 SPARE LAMP mod 13 - ophthalmoscope

Code 31312 EAR SPECULUM Ø 2.5 mm - disposable

Code 31314 EAR SPECULUM Ø 4 mm - disposable

Code 31316 CONNECTOR to otoscope for 31312/31314



31300




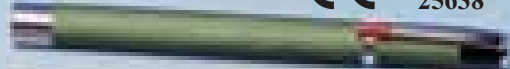
Otoscope - Pen Light

Code 31300 COMBI SET


Dual function instrument features convertible diagnostic pen light and mini-otoscope with 3 different sizes of funnels or specula. Packed in a gift box. Pupil gauge and dual slide rule printed on the penlight. Supplied with batteries (2xAAA).
Code 32200 "AAA" ALKALINE BATTERIES - blister of 4 pcs

Torches - Diagnostic Pen Lights

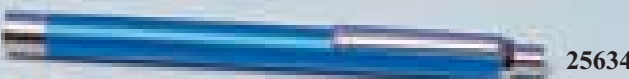
PROFESSIONAL TORCHES  **25638**




25633



25634




25635





Pupil gauge and dual slide rule

25640




New "LED" technology *An extraordinarily bright concentrated beam perfect when close-up light is needed. Convenient end switch for blink or continuous light. Water resistant and corrosion proof.*


ECONOMIC TORCHES  **25631**



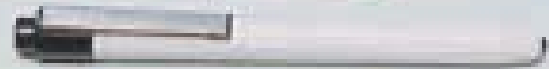
25639




25627



25630



25626



Personalised torches for quantities

GIMA offers a complete range of quality torches/pen lights of different materials, colours and price.

GIMA code	Description	Material	Supplied with batteries	Colour	Supplied in single box	Origin	ON/OFF by	Minimum order
25626	Alfa torch	plastic	yes - 2xAAA	● blue	yes	Asia	Pocket clip	10
25627	Alfa torch	plastic	yes - 2xAAA	● red	yes	Asia	Pocket clip	10
25630	Stilo 2000 torch	aluminium	no	○ white	yes	Asia	Push button	50
25631	Usa torch	plastic	yes - 2xAAA	○ white	no	USA	Pocket clip	10
25639	Beta torch	stainless steel	yes - 2xAAA	● silver	no	Asia	Push button	-
25633	Argenta torch	metal	yes - 2xAAA	● silver	no	Europe	Pocket clip	-
25638	Argenta torch	metal	yes - 2xAAA	● green	no	Europe	Pocket clip	-
25634	Elegance torch	metal	yes - 2xAAA	● blue	no	Europe	Push button	-
25635	Spirit torch	chrome plated brass	yes - 2xAAA	● silver	yes	Asia	Pocket clip	-
25640	L1 torch	plastic	yes - 1xLR44	● yellow	yes	USA	Push button	-

ENT : Ear Curettes and Nasal Speculum



FLEXLOOP:
For normal curettage
Most flexible of all
Least traumatic
Rounded tips for comfort
4 mm wide tip



MICROLOOP:
For impacted cerumen
More rigid construction
Tip can be angled for added strength
Rounded tip for comfort
3 mm wide tip



INFANT SCOOP:
For the smallest ears
For when a small scoop work best
Can be used through an otoscope • Flexible
2 mm wide tip



CERASPOON:
For viscous cerumen
For extensive cerumen buildup
For when a large scoop work best
4 mm wide tip




The complete cerumen management system

Code 31460 FLEXLOOP - white - box of 50 

Code 31462 INFANTSCOOP - light blue - box of 50

Code 31464 MICROLOOP - green - box of 50

Code 31467 CERASPOON - yellow - box of 50

Our four styles of curettes give you the most effective, safest, and economical way to remove cerumen - whatever the size of ear or consistency of cerumen you're dealing with.

Patient comfort: Metal curettes are cold, hard and sharp. GIMA ear curettes with rounded plastic tips reduce trauma and lessen the risk of laceration. Latex free.

Effectiveness: Ear curettes can duplicate the effectiveness of metal curettes in almost any situation and their polypropylene composition makes them virtually unbreakable.

Disposability: Ear curettes don't require expensive and time-consuming sterilisation and eliminate the risk of cross-contamination.

Code 31470 DISPOSABLE NASAL SPECULUM

Innovative plastic, disposable nasal speculum with handle: allows superior view of nasal cavity. Helps extract foreign objects from nasal cavity. Facilitates packaging of cauterizing of bleeding noses. Latex free.



31470



31470

minimum order: 48 pcs.

Neurological Reflex Percussors - Latex free

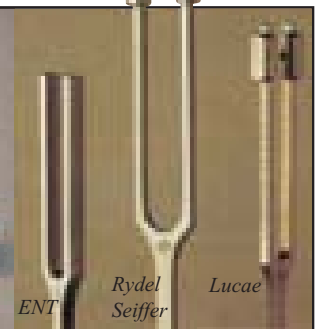
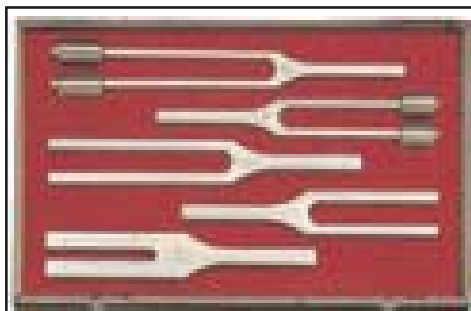


Any colour available
(minimum 100 pieces)

GIMA code	Percussors	Colour	Handle	Pin	Brush	Weight	Length
31270	Buck Gima 2000	green	plastic/stainless steel	yes	yes	85 g	18.5 cm
31251	Buck Classic	silver	chromed brass	yes	yes	90 g	18 cm
31252	Buck colour-yellow	yellow	brass color coated	yes	yes	90 g	18 cm
31271	Dejerine Gima 2000	blue	plastic/stainless steel	yes	yes	110 g	21 cm
31254	Dejerine Classic	silver	stainless steel	yes	yes	140 g	21 cm
31255	Dejerine colour	red	brass color coated	yes	yes	125 g	21 cm
31256	Babinsky - Ø 4.5 cm	silver	chrome plated	yes	no	170 g	24 cm
31257	Queens - Ø 5 cm	silver	flexible plastic	no	no	100 g	35 cm
31258	Troemner	silver	stainless steel	no	no	200 g	22 cm
31260	Pinwheel	silver	chrome plated	no	no	50 g	17 cm
31272	Babinsky-Gima 2000	green	plastic	no	yes	80 g	24 cm
31273	Taylor Gima	red	plastic/stainless steel	no	yes	70 g	20 cm



German-made Diapasons - Tuning Forks



Ent tuning forks:

31240

All made in Germany, with age-long craftsmanship experience, in special alloy that ensures maximum sound precision.

GIMA code	ENT Tuning Forks
31230	Tuning fork 128 Hz* - with weight
31231	Tuning fork 256 Hz* - with weight
31232	Tuning fork 512 Hz
31233	Tuning fork 1024 Hz
31234	Tuning fork 2048 Hz
31235	Tuning fork 4096 Hz
31240	Set of 5 tuning forks in a stylish lined case (contains 128 Hz*, 256 Hz*, 512 Hz, 1024 Hz, 2048 Hz). Tuning forks with asterisk * are supplied with weight

Diagnostic tool for detecting diabetic neuropathy.

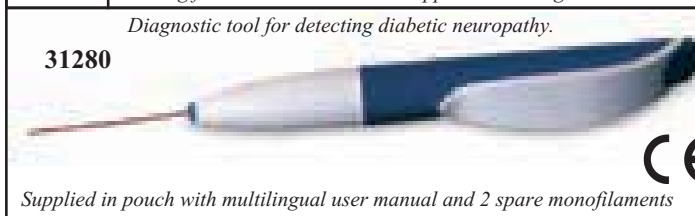
ENT/Neurology tuning forks

All made in a special alloy and supplied with base.

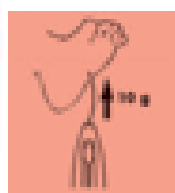
GIMA code	ENT/NEUROLOGY Tuning Forks
31245	Tuning fork a ¹ -440 Hz - ENT - 90 g
31246	Tuning fork - LUCAE - 80 g
31247	Tuning fork C64, c128 - RYDEL SEIFFER adjustable from c128 to h240 with foot - 120 g
31249	Hammer NEUROTONE 5 in a lined case

Neurotone hammer: set of 5 components for a complete neurological examination: percussion hammer + tuning fork with weight + pin + brush. All fitted in a stylish case.

31249



Supplied in pouch with multilingual user manual and 2 spare monofilaments



Code 31280 MONOFILAMENT - sensory evaluator

Plastic retractable monofilament. Evaluates both diminishing and returning sensation (touch test). Examines levels of sensory function and changes in neuro status. Monofilament is calibrated at 10 g. Size: 13 x 1.2 cm (+ 4 cm monofilament)

Acoustic Excellence Double head Stethoscopes



CLASSIC STETHOSCOPES: Adult and Paediatric

High quality stethoscope with **stainless steel chestpiece**, stainless steel double inner spring binaural and durable, elegantly moulded PVC tubing for unsurpassed acoustic performance. The colour coordinated flexible "Y" tubing, non-chill ring and diaphragm retaining ring provide excellent patient comfort, while adding attractiveness.

It comes in a foam lined box with 2 extra sets of soft eartips. Chestpiece: Ø 45 mm (adult), Ø 35 mm (paediatric).



GIMA code	CLASSIC Double Head Stethoscopes - latex free
32534	Classic adult - black colour
32535	Classic adult - burgundy colour
32536	Classic adult - blue colour
32537	Classic adult - green colour
32538	Classic adult - red colour
32539	Classic adult - pink colour
32512	Classic paediatric - light-blue colour
32516	Classic paediatric - black colour
32678	Diaphragm Ø 45 mm - spare for Classic adult
32664	Rigid eartips screw-type - white spare for Classic/Wan/Yton

Jotarap: double-head, double tube top quality Stetho



Gima Sprague Rappaport type double-head, double-tube stethoscope at the price of a standard stethoscope.

5 in 1, five way convertible type stethoscope

This convertible stetho, zinc alloy treaded with chrome plated chestpiece drum fitting with different sized chestpieces bells, provides versatile acoustical for infants and adults for the detection of a wide range of heart and lung sounds.

Chestpiece with small and large diaphragm.

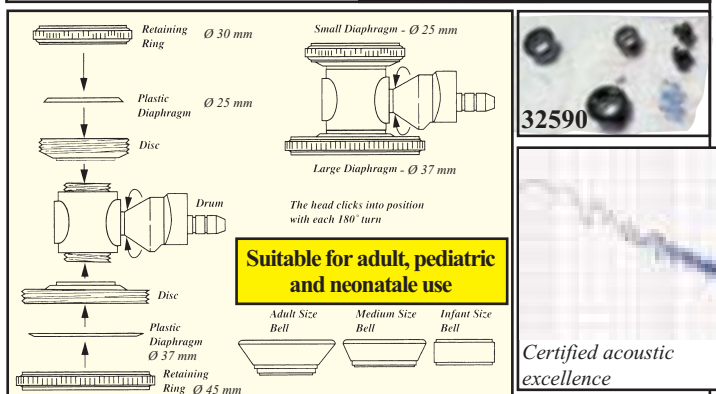
Double tubing for individual sound transmission

Two 56 cm (22") latex free separately thick wall tubing provide individual sound transmission from chestpiece to both side of the ear.

Complete with accessories kit (32590)

It is supplied with an accessories pouch containing: 3 interchangeable plastic black non-chill bells, adult and paediatric spare diaphragm, one pair clear neoprene eartips, one pair black mushroom eartips.

Supplied in single cardboard box, with 6 languages manual (English, French, Spanish, Italian, Greek, Portuguese).



GIMA code	JOTARAP Double head/tube steto latex-free
32580	JOTARAP - black
32581	JOTARAP - blue
32582	JOTARAP - orange
32583	JOTARAP - green
32584	JOTARAP - yellow
32585	JOTARAP - light blue
32587	JOTARAP - transparent pink
32589	JOTARAP GOLD - black
32590	ACCESSORY KIT - spare

3M™ LITTMANN® Stethoscopes



		GIMA code	Original 3M™ LITTMANN® Stethoscopes	
		32400	Littmann® Select 2298 - blue	
		32401	Littmann® Select 2293 - burgundy	
		32405	Littmann® Classic II PED. 2119 - blue	
		32406	Littmann® Classic II PED. 2113R - red	
		32410	Littmann® Classic II INFANT 2114 - black	
		32415	Littmann® Classic II S.E. 2201 - black	
		32416	Littmann® Classic II S.E. 2205 - blue navy	
		32417	Littmann® Classic II S.E. 2208 - green	
		32418	Littmann® Classic II S.E. 2203 - grey	
		32419	Littmann® Classic II S.E. 2211 - burgundy	
		32420	Littmann® Classic II S.E. 2206 - caribbean	
		32422	Littmann® Classic II S.E. 2212 - orange	
		32423	Littmann® Classic II S.E. 2216 - pink	
		32425	Littmann® Master Classic 2146 - burgundy	
		32426	Littmann® Master Classic 2144 - black	
		32427	Littmann® Master Classic 2147 - blue	
		32430	Littmann® Cardiology III - 3128 - black	
		32432	Littmann® Cardiology III - 3130 - blue	
		32435	Littmann® Master Cardiology 2160 - black	
		32445	Littmann® S.T.C. Cardiology 4471 - black	
		32440	Littmann® Digital - E4100 - black	
		32449	Diaphragm + retaining ring for Classic PED - box of 5 pcs.	
		32450	Diaph + ring for Classic II, Select, Master Classic, Cardio III - box of 5 pcs.	
		32451	Ear Tips - grey - box of 10 pcs.	



For other Littmann® accessories and colours refer to price list

Cardiology / Pneumology and Electronic Stethoscopes

Supplied in a stylish, foam-lined box with 3 sets of different size eartips.

Code 32552 CARDIOLOGY CLASSIC STETHOSCOPE

Cardiology Classic offers acoustical excellence in a traditional design. Its innovative features include:

- stainless steel chestpiece (diameter 36-47 mm) with extra deep cone-shaped bell for a superb low frequency response
- stainless steel double inner spring binaural
- floating diaphragm for unsurpassed amplification
- durable, elegantly moulded PVC black tubing

Colour co-ordinated non-chill ring and diaphragm retaining ring

Supplied in professional lined box with 3 sets of different size colour co-ordinated eartips.

Code 32553 CARDIOLOGY SPIRIT TER STETHOSCOPE

SPIRIT TER cardiology stethoscope offers acoustical excellence in an innovative stainless steel chestpiece Ø 47 mm. It comes complete with link between the chestpiece and the diaphragm allowing the **auscultation of high and low frequencies** with a single change of pressure on the chestpiece: low pressure for low frequencies and high pressure for high frequencies. Tubing colour: green. Length: 56 cm, Ø 10 mm

Non-chill ring and diaphragm retaining ring.

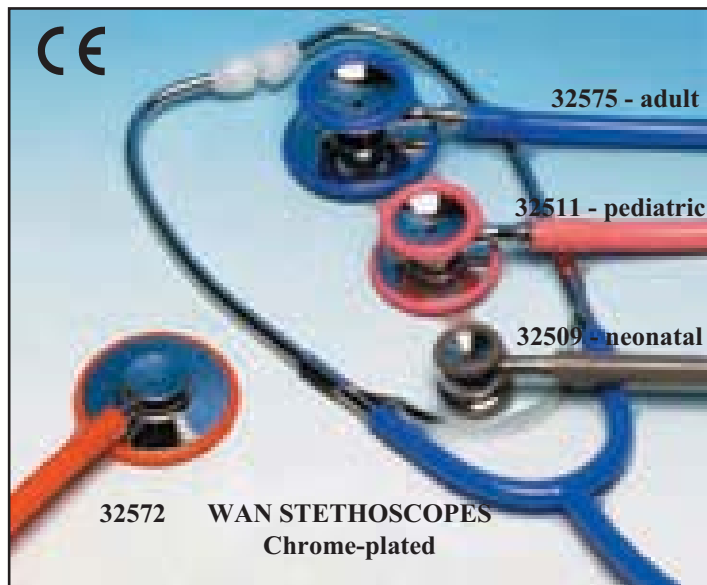
Code 32556 ELECTRONIC CARDIOLOGY STETHOSCOPE

Electronic Stethoscope includes amplification and filtering system, ideal for picking up difficult-to-hear heart and other body sounds.

- Fully electronic, eliminates the aphonic and resonance effect.
- Audio frequency is divided into 3 selective modes. Standard bell (20° V 200 Hz), Diaphragm (100° V 500 Hz), and Extended Diaphragm (100° V 1000 Hz).
- The electronic amplifying system **allows to adjust 8 volumes (0-18 dB)**
- An accurate sound-filter enhances the articulation of sound collection.
- It amplifies responses of preferred low frequency sounds and filter and the undesirable ambient noise of high frequency.

Length: 72 cm (29") Colour: black

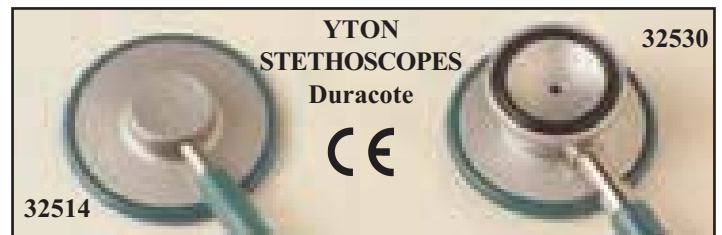
WAN Stethoscopes



WAN STETHOSCOPES: adult, paediatric and neonatal
Features a chrome-plated zinc-alloy chestpiece, a screw-on plastic retaining ring, outer spring binaural and colour matched moulded PVC tubing with non-chill ring. Assure optimum acoustic performances. Chestpiece: Ø 45 mm (adult), Ø 35 mm (paediatric), bell Ø 30 mm. Supplied in a cardboard box.

GIMA code	WAN Stethoscopes - latex free	
32570	WAN single head adult - blue colour	
32571	WAN single head adult - burgundy colour	
32572	WAN single head adult - orange colour	
32575	WAN double head adult - blue colour	
32576	WAN double head adult - burgundy colour	
32577	WAN double head adult - orange colour	
32509	WAN double head neonatal - grey colour	
32511	WAN double head paediatric - pink colour	
32513	TAI double head paediatric - light-blue colour	

YTON and TRAD Stethoscopes



YTON STETHOSCOPES:

Chestpiece Ø 45 mm, bell Ø 30 mm (for double head), with colour coordinated plastic retaining ring. "Duracote" finished. Supplied in cardboard box

GIMA code	YTON Stethoscopes - latex free	
32514	Yton single head - green teal colour	
32530	Yton double head - green teal colour	

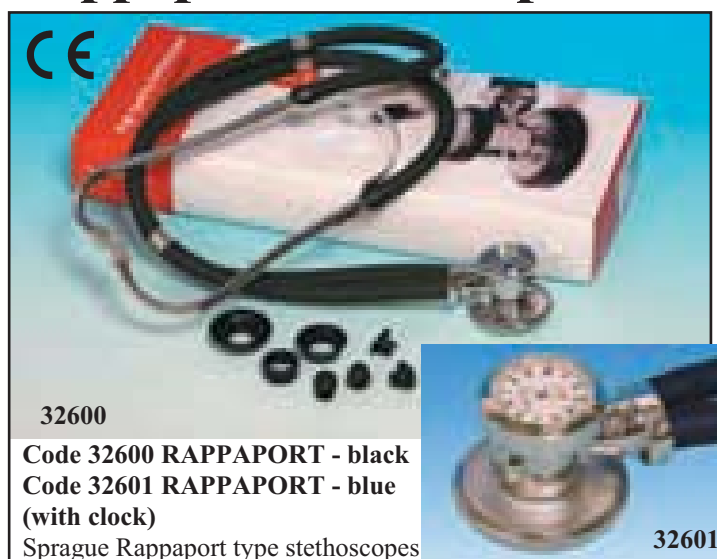


TRAD STETHOSCOPES:

Traditional aluminium stethoscopes, lightweight and reliable. Chestpiece diaphragm Ø 40 mm, bell Ø 20 mm. Supplied in cardboard box.

GIMA code	TRAD Stethoscopes	
32560	TRAD single head - black colour	
32561	TRAD single head - red colour	
32562	TRAD single head - blue colour	
32565	TRAD double head - black colour	
32566	TRAD double head - red colour	
32567	TRAD double head - blue colour	

Rappaport stethoscopes



Code 32600 RAPPAPORT - black
Code 32601 RAPPAPORT - blue (with clock)

Sprague Rappaport type stethoscopes double tube, double head. Complete with accessory kit to be used for adult, pediatry and neonatal applications. Code 32601 is provided with a clock on the top of the head for easy pulse count.

Teaching stethoscope






Code 32542 TEACHING STETHOSCOPE - black colour
A stainless steel adult model with "Superflex" binaural tubing assembly, color coordinated trimmings and applicable for 2 persons doing diagnostic proceedings simultaneously.

Single Head Stethoscopes - latex free

 <p>32527</p>	 <p>32523 <i>BLACK DUCA (white tubing)</i></p> <p>32520 <i>WHITE DUCA (black tubing)</i></p>	 <p>32526</p>
<p>Code 32527 DESIGN STETHO - blue New Stethoscope with fashionable design diaphragm and "Superflex™" binaural. Provides high acoustic performances thanks to its quality components. Head and tube are in transparent coordinated colour. Supplied in transparent blister.</p>  <p>32527</p>	<p>Code 32520 WHITE DUCA Chromed chestpiece - black tube - latex free</p> <p>Code 32523 BLACK DUCA Black chestpiece, white tube - latex free</p> <p>Traditional stethoscopes with robust, heavily chromed single-head chestpiece with floating diaphragm for a superior acoustic sensitivity. Excellent for taking blood pressure and general auscultation. Adjustable chrome double-leaf spring binaural, flexible and long-lasting "Y" tube, non chill ring. Diaphragm diameter: 40 mm.</p>  <p>32523</p>	<p>Code 32526 REGALITE - black Top quality single head stethoscope. Patented multi-frequency "RING-O-RAISED™" diaphragm system. Chromed plated chestpiece with "SUPERFLEX" inner spring binaural and 1 piece moulded PVC, latex free, tubing. Supplied in deluxe box, with spare soft eartips and one spare diaphragm.</p>  <p>32526</p>

Spare Parts for Stethoscopes

 <p>32660, 32666, 32665, 32661, 32663, 32676, 32677, 32656, 32655</p>																																																										
<table border="1"> <thead> <tr> <th>GIMA code</th> <th>Stethoscopes: Spare Parts</th> <th>Minimum order</th> </tr> </thead> <tbody> <tr> <td>32660</td> <td>Male-Female adaptor</td> <td>10 pcs.</td> </tr> <tr> <td>32661</td> <td>Standard eartips</td> <td>10 pcs.</td> </tr> <tr> <td>32663</td> <td>Mushroom eartips</td> <td>10 pcs.</td> </tr> <tr> <td>32665</td> <td>SNOWDEN binaural - folding</td> <td>10 pcs.</td> </tr> <tr> <td>32666</td> <td>BERTA binaural - fixed</td> <td>10 pcs.</td> </tr> <tr> <td>32676</td> <td>Diaphragm + retaining ring - diam. 42 mm</td> <td>10 pcs.</td> </tr> <tr> <td>32677</td> <td>Diaphragm + retaining ring - diam. 56 mm</td> <td>10 pcs.</td> </tr> <tr> <td>32655</td> <td>Single stethoscope head</td> <td>10 pcs.</td> </tr> <tr> <td>32656</td> <td>Double stethoscope head</td> <td>10 pcs.</td> </tr> </tbody> </table>	GIMA code	Stethoscopes: Spare Parts	Minimum order	32660	Male-Female adaptor	10 pcs.	32661	Standard eartips	10 pcs.	32663	Mushroom eartips	10 pcs.	32665	SNOWDEN binaural - folding	10 pcs.	32666	BERTA binaural - fixed	10 pcs.	32676	Diaphragm + retaining ring - diam. 42 mm	10 pcs.	32677	Diaphragm + retaining ring - diam. 56 mm	10 pcs.	32655	Single stethoscope head	10 pcs.	32656	Double stethoscope head	10 pcs.	<table border="1"> <thead> <tr> <th>GIMA code</th> <th>Quality "Y" tubing</th> <th>Minimum order</th> </tr> </thead> <tbody> <tr> <td>32669</td> <td>"Y" tubing mixed colours</td> <td>20 pcs.</td> </tr> <tr> <td>32640</td> <td>"Y" tubing - black</td> <td>20 pcs.</td> </tr> <tr> <td>32641</td> <td>"Y" tubing - green</td> <td>20 pcs.</td> </tr> <tr> <td>32642</td> <td>"Y" tubing - blue</td> <td>20 pcs.</td> </tr> <tr> <td>32643</td> <td>"Y" tubing - red</td> <td>20 pcs.</td> </tr> <tr> <td>32644</td> <td>"Y" tubing - orange</td> <td>20 pcs.</td> </tr> <tr> <td>32646</td> <td>"Y" tubing - light blue</td> <td>20 pcs.</td> </tr> <tr> <td>32647</td> <td>"Y" tubing - white</td> <td>20 pcs.</td> </tr> </tbody> </table>	GIMA code	Quality "Y" tubing	Minimum order	32669	"Y" tubing mixed colours	20 pcs.	32640	"Y" tubing - black	20 pcs.	32641	"Y" tubing - green	20 pcs.	32642	"Y" tubing - blue	20 pcs.	32643	"Y" tubing - red	20 pcs.	32644	"Y" tubing - orange	20 pcs.	32646	"Y" tubing - light blue	20 pcs.	32647	"Y" tubing - white	20 pcs.
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32642	"Y" tubing - blue	20 pcs.																																																								
32643	"Y" tubing - red	20 pcs.																																																								
32644	"Y" tubing - orange	20 pcs.																																																								
32646	"Y" tubing - light blue	20 pcs.																																																								
32647	"Y" tubing - white	20 pcs.																																																								

 <p>32541 <i>Long tubing 1 m</i></p>	<h3>Veterinary Stethoscope</h3> <p>Code 32541 VETERINARY STETHOSCOPE This stethoscope has been specially designed for veterinary use, with an extra large chestpiece (diameter 56 mm.) and a long tubing (length 1 m.). Berta binaural Tubing colour: grey Made in Italy: GIMA</p>
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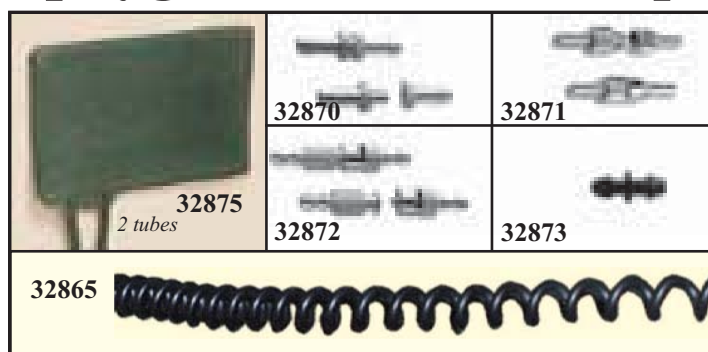
Cuffs for all needs: from newborn to obese

GIMA code	Cuffs for sphygmomanometers	Minimum order
32807	Gimatono - Exactophon Cuff	6 pcs.
32808	Nylon velcro Cuff (no bladder) cm 49x15	10 pcs.
Fabric + Bladder: nylon + velcro fastening - Grey/green colour		
32810	Mini Cuff "1 T" 16x5 cm premature	↑ 10 pcs. also assorted ↓
32811	Mini Cuff "1 T" 23x5 cm up to 3 months	
32812	Mini Cuff "1 T" 29x7 cm 4 months to 3 years	
32813	Mini Cuff "1 T" 33x9 cm 3-7 years	
32814	Mini Cuff "1 T" 40x11 cm 7-10 years	
32816	Mini Cuff "1 T" Set 5 pieces (32810-32814)	
32820	Mini Cuff "2 T" 16x5 cm premature	↑ 10 pcs. also assorted ↓
32821	Mini Cuff "2 T" 23x5 cm up to 3 months	
32822	Mini Cuff "2 T" 29x7 cm 4 months to 3 years	
32823	Mini Cuff "2 T" 33x9 cm 3-7 years	
32824	Mini Cuff "2 T" 40x11 cm 7-10 years	
32826	Mini Cuff "2 T" Set 5 pieces (32820-32824)	
Fabric + Bladder: nylon + velcro fastening - Grey/green colour		
32830	Standard cuff + bladder 1 tube cm 49x15	10 pcs.
32832	Standard cuff + bladder 2 tubes cm 49x15	10 pcs.
32834	Large cuff + bladder 1 tube cm 63x17,5	10 pcs.
32835	Large cuff + bladder 2 tubes cm 63x17,5	10 pcs.
32837	Thigh cuff + bladder 1 tube cm 83x21	6 pcs.
32838	Thigh cuff + bladder 2 tubes cm 83x21	6 pcs.
32829	Cotton cuff + bladder 1 tube cm 49x15	6 pcs.
Calibrated nylon cuffs + bladder		Colour
32842	Standard Cuff + bladder 1 tube 49x15 cm	Blue
32843	Standard Cuff + bladder 2 tube 49x15 cm	Blue
32844	Standard Cuff + bladder 1 tube 49x15 cm	Red
32845	Standard Cuff + bladder 1 tube 49x15 cm	Black
32846	Pediatric Cuff + bladder 1 tube 35x11 cm	Blue
32847	Pediatric Cuff + bladder 2 tube 35x11 cm	Blue
32848	Large Cuff + bladder 1 tube 62x17.5 cm	Blue
32849	Large Cuff + bladder 2 tubes 62x17.5 cm	Blue



One tube cuff for use with Ducale, Ranger, Magnum, Sirio, London, Boston, Roma 1T.
Two tubes cuff for use with Minor, Neo Fidelio, Yton line, Roma 2T

Sphygmomanometers Spare Parts and Accessories



GIMA code	Sphygmomanometers Spare Parts	Minimum order
32865	Coiled tubing - black (42-45 spirals) extension 3 m rubber tubing - black - 48 cm	10 pcs.
32874	1 tube Bladder	10 pcs.
32875	2 tubes Bladder	10 pcs.
32876	1 tube + 1 hole Gimatono Bladder	10 pcs.
32880	Vertical glass tube	10 pcs.
32870	Male-Female metal connector	box 10
32871	Screw Type metal connector	box 10
32872	Bayonet Type metal connector	box 10
32873	Plastic connector	box 100



GIMA code	Sphygmomanometers Spare Parts	Minimum order
32854	Yota PVC bulb - black - latex free	10 pcs.
32855	Yota latex bulb - black	10 pcs.
32860	Superior PVC bulb - green - latex free	10 pcs.
32859	Superior PVC bulb - black	10 pcs.
32850	Yota "automatic" air release valve	10 pcs.
32852	Yota chrome-plated air release valve	10 pcs.
32861	Superior chrome plated air valve	10 pcs.
32853	Yota inflation system	10 pcs.
32862	Superior inflation system - latex free	10 pcs.
32863	Deluxe inflation system	10 pcs.

Yton value line of sphygmomanometers



Code 32720 YTON SPHYGMO - adult

Code 32703 YTON INCORPORATED SPHYGMO - adult with integrated stethoscope

Economic sphygmomanometers with fabric cuff with velcro closure, reliable manometer with clip to be fixed on the cuff. Scale 0-300 mmHg. Air release at closed tap max 4 mm Hg/minute. Manual setting of deflation possible up to 2/3 mm Hg.

From 260 mm Hg to 15 mm Hg max deflation time 10 sec. Scale graduated every 2 mm Hg. Floating zero (the pointer has no stop point but swings freely), nylon velcro cuff, latex bulb with chromium plated valve. Chromium-plated air tap with air release regulation by screw valve. Supplied with a simulated-leather soft pouch with zip in a carton box.

Code 32701 YTON - manometer only

Infusion Cuffs

Code 32684 RIESTER INFUSION CUFF - 500 cc

Code 32685 RIESTER INFUSION CUFF - 1000 cc

Pressure cuff for infusion with high quality gauge to allow monitoring of blood pressure during infusion, also incorporates safety-valve. Made in Germany.



Code 32680 INFUSION CUFF - 500 cc
Code 32682 INFUSION CUFF - 1000 cc
 Infusion cuffs similar to above, made in Asia

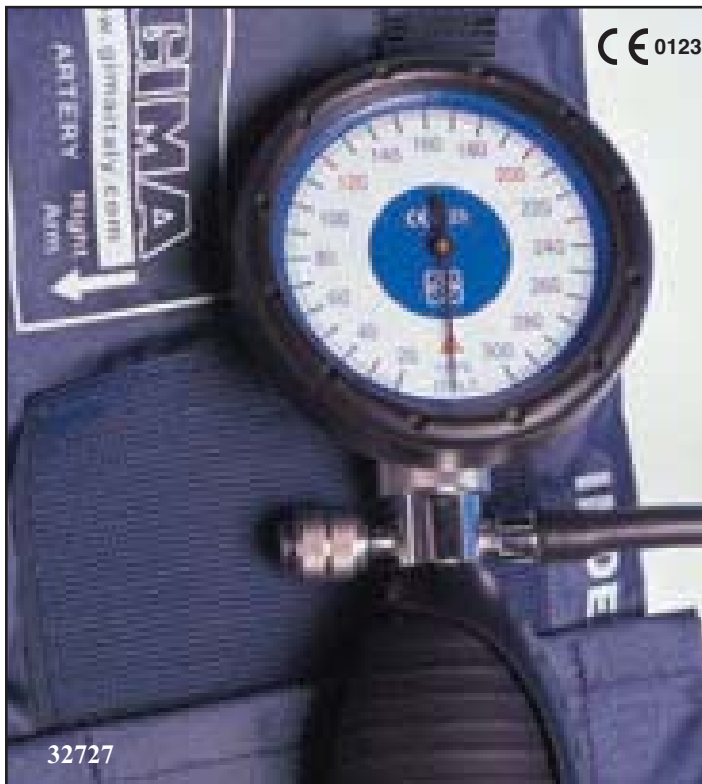
Gimatono - latex free



Code 32719 NEW GIMATONO - latex free

Durable and reliable sphygmo with chrome-plated manometer fixed on the cuff, provided of a rubber protective ring. Nylon cuff with simulated-leather support. Two tubes adult size latex free bladder, with standard latex free bulb. Supplied in nylon bag and carton box.

Roma Sphygmomanometers - 5 different models



CE 0123

Classic, lightweight, reliable palm model aneroid sphygmo with certified manometer ABS housing, integral bulb and air release valve for one-hand use, provided with handle, blue nylon, velcro closure, calibrated cuff and 1 tube bladder. Easy to read: large dial Ø 65 mm, with rubber protective ring. Supplied in a nice nylon carrying bag with external velcro pocket and carton box.

Code 32727 ROMA SPHYGMO - adult - 1 Tube

Code 32736 ROMA SPHYGMO - adult - 1 Tube - latex free

Code 32734 ROMA SPHYGMO - adult - 2 Tubes

Code 32709 ROMA SPHYGMO - pediatry - 1 Tube

Same as 32727 but with pediatric cuff 35x11 cm

Code 32728 ROMA SPHYGMO - adult - fluorescent - 1 Tube

Same as 32727 but with special fluorescent dialplate to allow easy reading even in dark places. This feature make Roma sphygmomanometer indicated for emergency applications.

Code 32856 PVC RIBBED BULB

Code 32857 PVC PROTECTIVE RING

Fluorescent dial plate



Roma Multicuffs Kit

Code 32738 ROMA KIT - Sphygmo with 3 cuffs

Same as code 32727 but supplied with 3 cuffs: one pediatric (35x11 cm), one adult (49x15 cm) and one adult large (62x17.5 cm)



CE 0123

Nylon bags in 5 colors

Provided with zip closure and external pocket with velcro closure



GIMA code	Nylon Bags
32790	Sphygmo bag - 27x18x5 cm
32791	Nylon bag - blue - 22x15x5 cm
32792	Nylon bag - blue - with inner foam
32793	Nylon bag - green - 22x15x5 cm
32794	Nylon bag - red - 22x15x5 cm
32795	Nylon bag - black - 22x15x5 cm
32796	Nylon bag - grey - 22x15x5 cm



Roma Combo Kit

Code 32740 ROMA COMBO KIT

Practical kit with all necessary instrument for a basic diagnostic. It includes in a nylon bag the following items:

- Roma sphygmomanometer code 32727
- Rappaport type double head double tube stethoscope code 32601 (without clock)
- Alfa pen light code 25626
- Nurse utility scissors code 34128
- Name Tag for stethoscope
- Tape measure

All products are colour coordinated in blue.

Other colours or different components available for quantities.



CE 0123

Sirio and Boston, large dial, metal Sphygmo



CE 0123

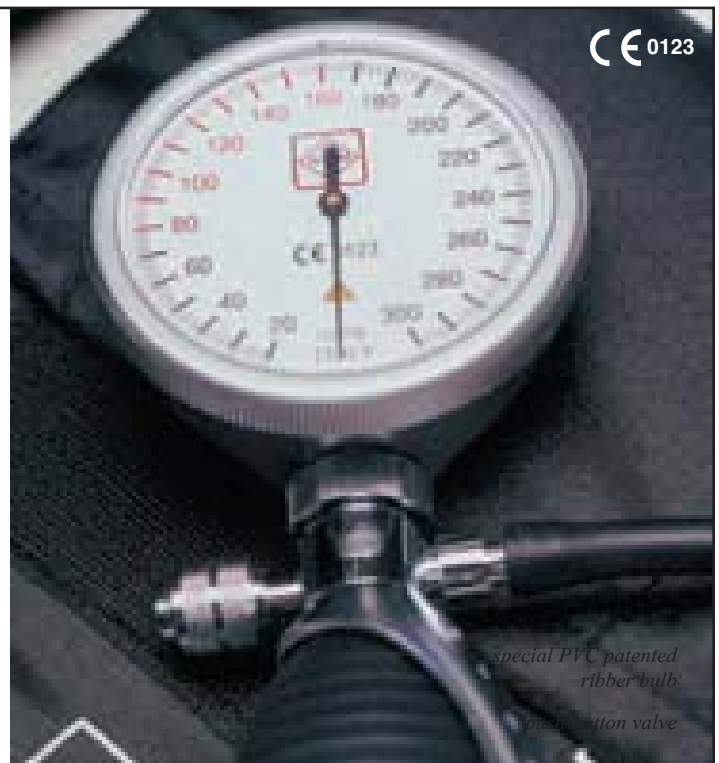
Code 32729 SIRIO SPHYGMO - adult

Classic sphygmomanometer with fabric cuff with velcro closure (green/grey colour).

Reliable large dial manometer for easy readings, fixed on bulb.

Scale 0-300 mm Hg, graduated every 2 mm Hg.

Supplied in carrying case and box, with 4 languages user manual (English, Spanish, French, Italian).



CE 0123

Code 32731 BOSTON SPHYGMO - adult - black

Code 32718 BOSTON SPHYGMO - latex free - grey

Strong durable and elegant palm model aneroid metal zinc-alloy manometer with integral bulb and air release valve for one hand use, provided with a special left and right hand adjustable handle, nylon velcro closure calibrated cuff and 1 tube bladder. Easy to read: large dial Ø 65 mm. Unique push button air release valve offers precise mini-deflation (only 32731). Supplied in a nice nylon carrying bag and box.

special PVC patented rubber bulb
push button valve

London: Professional Sphygmo



CE 0123

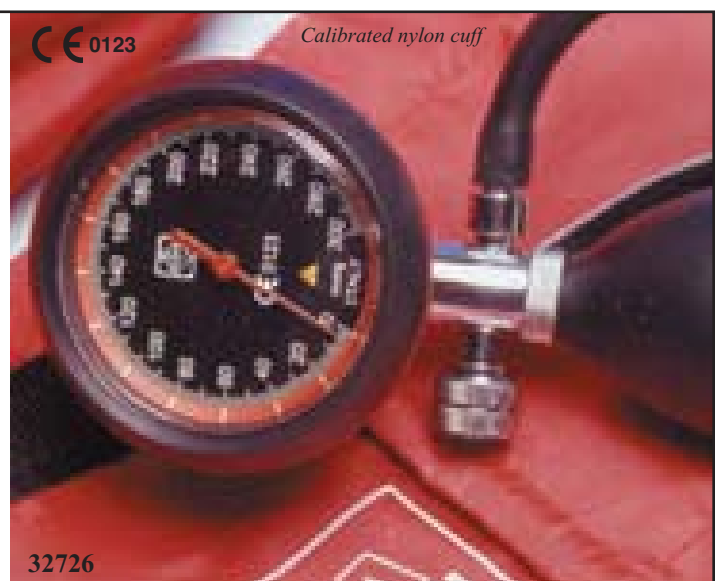
Calibrated nylon cuff

32725

Code 32725 LONDON SPHYGMO - adult - black cuff

Code 32726 LONDON SPHYGMO - adult - red cuff

Professional, stylish, reliable and lightweight sphygmomanometer with ABS manometer, integral bulb, high quality precision mechanism, velcro closure calibrated nylon cuff and one tube bladder. Dial Ø 55 mm, with specially



CE 0123

Calibrated nylon cuff

32726

designed eye-catching colour printing and easy to read. Special outer ring protects the manometer from shocks and the glass from scratches. Zero adjustable: calibrated simply by turning the outer ring of the manometer (patent design: 01245326.9). Supplied in a nice colour co-ordinated carrying bag and box. With multilingual user manual.

Riester Aneroid Sphygmo made in Germany



32715



32717

Riester

Code 32715 RI-SAN® SPHYGMO

High quality palm-style sphygmomanometer with ergonomic design. Air release valve conveniently regulated by finger-tip control.

- Calibrated nylon cuff with velcro
- Latex-free bulb for pumping up the cuff
- Tube connection at the top of pressure gauge for unhindered blood pressure measurement
- Suitable for right or left handed users
- Precision air release valve with fine adjustment and wear-free
- Microfilter protects air release valve and measuring system
- Specially tempered copper-beryllium diaphragm almost non-aging
- The precision movement guarantees reliable measurement
- Diaphragm can be pressurized up to 600 mmHg
- Easily legible scale Ø 64 from 0 to 300 mmHg, ± 3 mmHg

Code 32717 PRECISA® N SPHYGMO

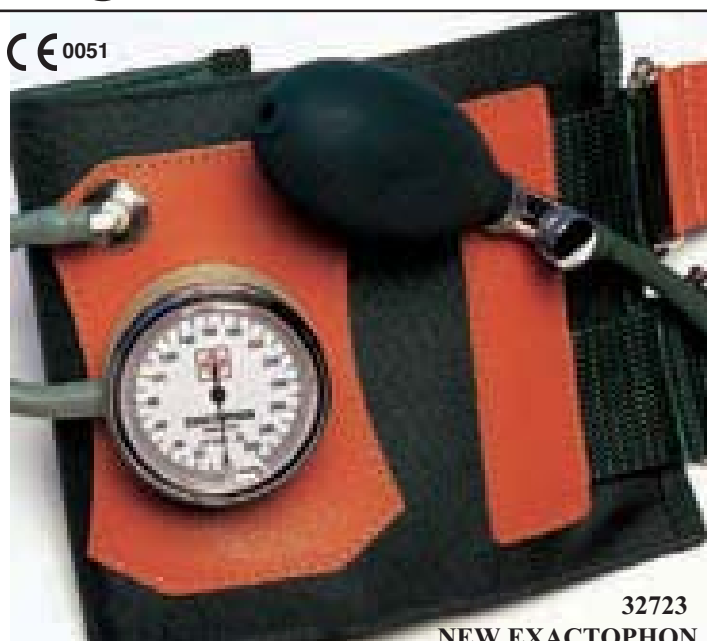
A typical Riester quality product. In metal with aluminium housing and single tube - plug-in connection.

- Calibrated nylon cuff with velcro.
- Latex bulb for pumping up the cuff
- Metal valve base
- Ergonomic spoon-shaped grip of stainless steel
- Single-tube connection
- Precision air release valve with fine adjustment and wear-free
- Microfilter protects air release valve and measuring system
- Specially tempered copper-beryllium diaphragm, with precision movement and almost non-aging
- Diaphragm pressure-loading capacity up to 600 mm Hg
- Linear, tilted aluminum scale, from 0 to 300 mm Hg, ± 3 mmHg

Sphygmomanometer with Gauge on the Cuff



32724



32723

NEW EXACTOPHON

Code 32724 BERLIN SPHYGMO

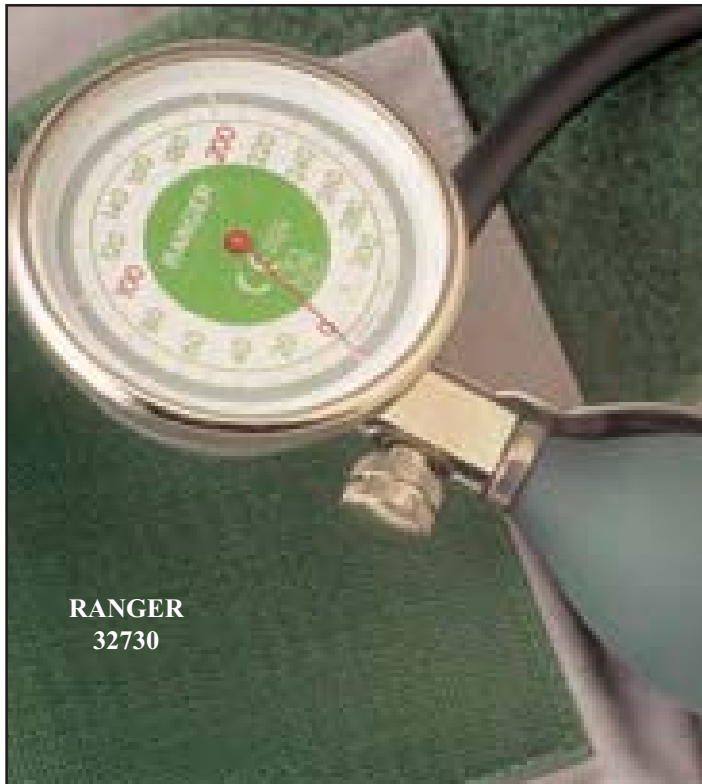
High quality sphygmomanometer with gauge mounted on cuff:

- High reliable manometer with extra large dial Ø 65 mm
 - Top quality and resistant linen cuff with simulated leather support and velcro closure
 - Extra large PVC bulb, 9x5 cm, latex free
- Made in Italy - German manometer

Code 32723 NEW EXACTOPHON SPHYGMO - pull-on strap cuff

GIMA quality and reliability in a stylish and long-life sphygmomanometer. EXACTOPHON has a reliable manometer fixed on a simulated leather support, on a highly resistant linen pull-on straps cuff. Supplied in a nice carrying case and box. Made in Italy: GIMA.

One-hand Sphygmo - German Manometer



**RANGER
32730**

Code 32730 RANGER SPHYGMO - adults

Classic, lightweight, reliable palm model aneroid sphygmo with metal certified manometer, integral bulb and air release valve for one-hand use, provided with s/s handle, Luer Lock connection, grey/green cotton velcro closure cuff and 1 tube bladder. Easy to read: large dial Ø 65 mm, values 100 and 200 are marked in red to facilitate readings. Supplied in a nice velvet carrying case and box. Made in European Community.



**MINIMUS® II
32711**

Code 32711 MINIMUS® II SPHYGMO

MINIMUS® is a reliable, durable and elegant palm model aneroid chrome-plated manometer with integral bulb and air release valve for one hand use, provided with a stainless steel handle, Luer Lock connection, calibrated black nylon cotton velcro closure cuff and 1 tube bladder. Supplied in a nice carrying case and box. Made in European Community.



32737

CE 0124

Code 32737 "G5" HEINE SPHYGMOMANOMETER

With the new latex free G5® Heine, GIMA offers an aneroid sphygmomanometer of the highest quality of design and function with unequalled value for money. A modern, functional design combined with exceptional precision of measurement and durability make Heine G5 ideal for long-term use in clinic and practice environments.

- **Latex-free**
 - Exceptionally-strong housing construction with triple-mounted, **shockproof** movement.
 - **Impact-resistant housings** crafted in special, shock-absorbing materials incorporate the latest advances in injection-moulding technology.
 - A **microfilter** protects the valve and movement.
 - **Oversized inflator** speeds up cuff inflation.
 - The inflator spoon can be set for **left-and-right-handed users**.
- Made in European Community.



**32733
MINOR**

Code 32733 MINOR SPHYGMO - 2 tubes

Professional, stylish and extremely reliable sphygmomanometer with chrome-plated manometer, integral bulb, high quality precision mechanism, green cotton velcro closure cuff and two tube bladder. Supplied in a nice carrying case and box. Made in European Community.

Riester BIG BEN[®], made in Germany

Code 32742 RIESTER - rail
(clamp code 32766 and rail not included)

Code 32743 RIESTER - wall
Rotation 130°, 65° right, 65° left

Code 32746 RIESTER - trolley

Aneroid sphygmomanometer, made of resistant plastic, with large dial (147 mm.) and white pointer on black dial plate for easy-to-read measurements from 0 mm Hg to 300 mm Hg.

Basket on back for cuff storage after use.

Velcro-closure black cuff 2 tubes, and long coil tubing.

Quality product: made in Germany

Code 32766 RAIL CLAMP

Universal clamp (for code 32742) for any rail.



Dallas Sphygmo: wall, desk and trolley models

90° rotation
Large dial Ø15 cm
ABS compartment for cuff storage
Nylon calibrated cuff

Code 32748 DALLAS SPHYGMOMANOMETER - desk model
Provided of click-open compartment for cuff storage, rotation 90° for easy reading.

Plastic storage basket
large dial Ø 15 cm

Code 32749 DALLAS SPHYGMOMANOMETER - wall model
Provided with rear plastic basket for cuff storage.

5 castors S/S trolley

Code 32747 DALLAS SPHYGMOMANOMETER - trolley model
Provided with stainless steel trolley adjustable in height, with 5 castors

All DALLAS sphygmometers are provided with extra large dial plate (Ø 150 mm) for easy reading, black nylon calibrated cuff and quality inflation system. Scale 0-300 mmHg.

Arterial Hardness and Blood Pressure Monitor

Code 32774 VITAL VISION MS-1200

The first unit in the world measuring artery stiffening. Arterial hardness measurement complements blood pressure management. Both are needed to ensure a long and healthy life. Measuring arterial hardness and blood pressure on a regular basis will help you to gain knowledge of your cardiovascular condition and provide early diagnosis for treatment. All technical specification are same as code 32773 except number of memories (30 sets with date/time stamp) for blood pressure and pulse rate monitor.

Artery

Normal

Danger

Digital Blood Pressure Monitors



Automatic
air inflation

32773

CE 0044

FDA Approved

Code 32770 MS-702 DIGITAL MANUAL SPHYGMO
Code 32772 MS-700 DIGITAL AUTOMATIC SPHYGMO
Code 32773 MS-752 DIGITAL AUTOMATIC SPHYGMO
Code 32781 SPARE CUFF MS-702 - adult
Code 32782 SPARE CUFF MS-703 - adult
Code 32783 SPARE CUFF MS-752 - adult

Digital, electronic blood pressure/pulse rate monitor for easy measurement also for non-professionals

- large LCD display shows blood pressure and pulse rate
- self-adjusting cuff, Velcro type closure, helps eliminate placement errors, no stethoscope needed (oscillo-metric method)
- compact, palm size, ensures full portability
- low battery indicator, automatic shut off after 3 minutes

Technical specifications	32772	32770	32773
Display LCD:	93x31.5 mm	52x22.5 mm	63x54 mm
Digit size	8.5x18.5 mm	5x12.5 mm	-
Pressure/pulse range	0-300 mmHg / 40-180 Pulse/min		
Pressure/pulse accuracy	± 3 mm Hg/± 5%		
Power sources 4 batteries	"AA" size	"AAA" size	"AA" size
Dimensions mm	185x95x46	145x75x38	175x90x105
Weight	680 g	480 g	670 g

Automatic Wrist Blood Pressure Monitors



CE 0044

FDA Approved

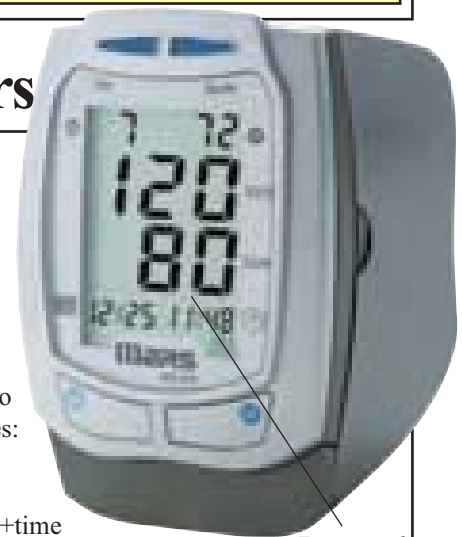
Can be placed on your
desk as a stylish clock
(shows date/time)

Code 32778 MS-950
WRIST SPHYGMO

Top quality wrist sphygmo
with the following features:

- Automatically measures systolic/diastolic/pulse
- 7 sets of memories+date+time
- Automatic inflation and deflation
- 3 minutes power-off function, low battery indicator

Code 32200 "AAA" ALKALINE BATTERIES - blister of 4 pcs



Easy to read
Jumbo LCD
display

Technical specifications	
Measuring method:	Oscillometric
Memory function:	Storage and recall of 7 measurements
Display:	Digital LCD with date and time
Measuring range:	Pressure: 20 - 280 mmHg Pulse: 40 - 180 /minute
Measuring accuracy:	Pressure: ± 3 mmHg Pulse: ± 5%
Inflation system:	Electro pneumatic pump
Deflation system:	Computerized electro-mechanical release valve
Wrist circumference:	13.5 - 19.5 cm (5 3/8 - 7 2/3 inches) - adult over 18 years
Batteries:	1.5V alkaline (LR3/AAA) x 2
Automatic power off:	approx. 3 minutes after measurement
Reference method for clinical trials:	Auscultatory measurement
Weight:	approx. 165 g (without batteries)

Size: 81x72x33.5 mm

32777

Code 32777 MS 930 WRIST SPHYGMO

"Inflate-read technology": this technology will make your blood pressure measurement experience more comfortable and the measurement results more accurate and stable.

Technical specifications

Measurement during inflation	
Measurement range:	Pressure: 20-280 mmHg Pulse: 40-180 beats/minute
Measuring accuracy:	Pressure: +/- 3 mmHg Pulse: +/-5% of reading
Automatic inflation and deflation	
Wrist circumference:	13.5 - 19.5 cm - adult over 18 years
Automatic shut-off after 3 minutes	
Batteries: 1.5V alkaline batteries (2xAAA)	
Weight: approx 100 g.	

Desk Mercurial Sphygmomanometers



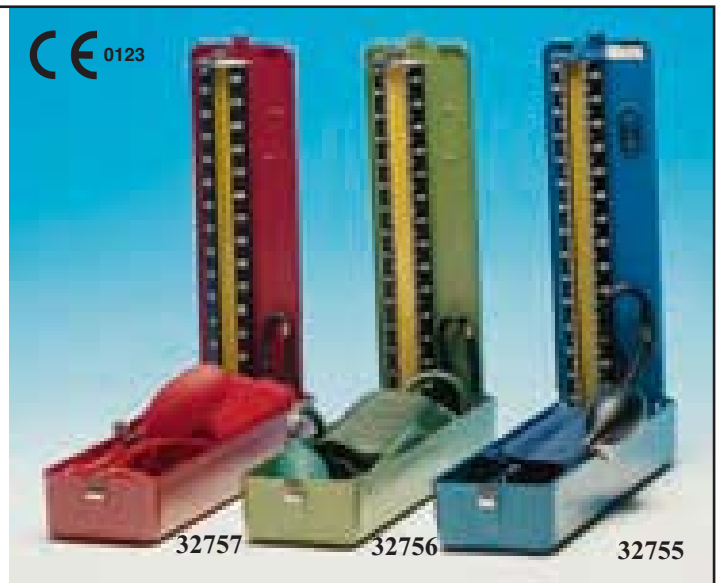
Code 32750 YTON MERCURIAL SPHYGMO - adult

Traditional desk mercurial sphygmomanometer in aluminium painted case with self locking, with adult blue nylon cuff with velcro and metal D-ring:

- Internal graduated glass scale with inside diameter of 3.5 mm and a clear reading scale. On/off mercurial tap.
- Range 0-300 mmHg
- Air release at closed tap max 4 mm/Hg/Minute.
- Graduated scale from 2 mmHg to 2mmHg, with bigger notches graduated every 10 units
- Single packing in carton box

Code 32759 YTON MERCURIAL SPHYGMO - pediatric

Same as code 32750 but with pediatric cuff



STAR MERCURIAL SPHYGMO - COLOUR LINE

Traditional desk mercurial sphygmo in wide lightweight metal box with mercury locking device and colour co-ordinated case, cuff, tubes and bulb. All provided with nylon calibrated cuff. Single packing in carton box.

GIMA code	STAR colour sphygmo	
32755	Star mercurial sphygmo - blue	
32756	Star mercurial sphygmo - green	
32757	Star mercurial sphygmo - red	

UM-101 Mercury-Free

Code 32758 UM-101 MERCURY FREE

A new highly advanced digital blood pressure monitor alternative to the mercury column

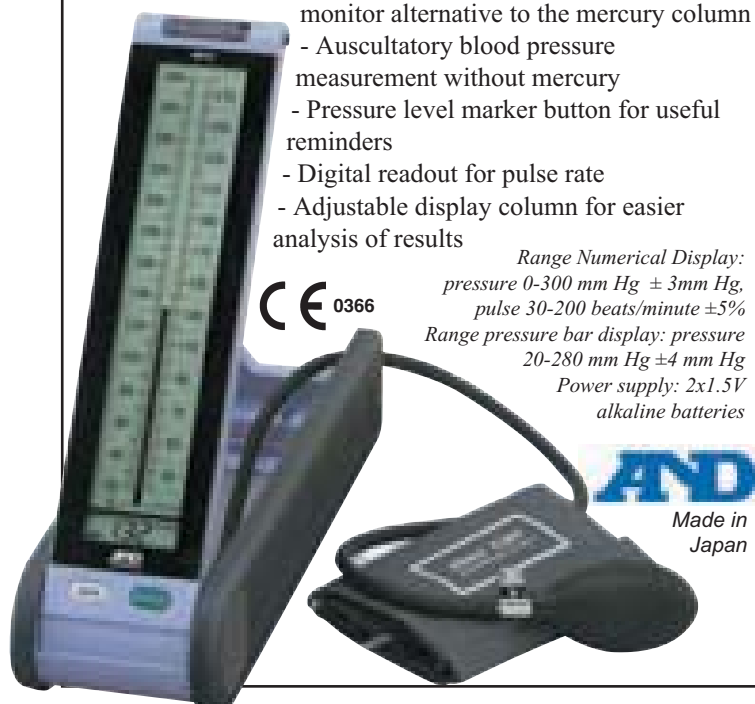
- Auscultatory blood pressure measurement without mercury
- Pressure level marker button for useful reminders
- Digital readout for pulse rate
- Adjustable display column for easier analysis of results



Range Numerical Display:
pressure 0-300 mm Hg ± 3 mm Hg,
pulse 30-200 beats/minute $\pm 5\%$
Range pressure bar display: pressure
20-280 mm Hg ± 4 mm Hg
Power supply: 2x1.5V
alkaline batteries

AND

Made in Japan



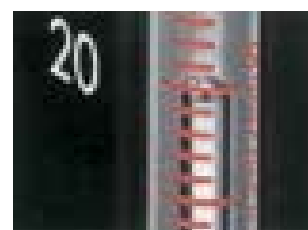
Neo Fidelio Classic

Code 32752 NEO FIDELIO CLASSIC

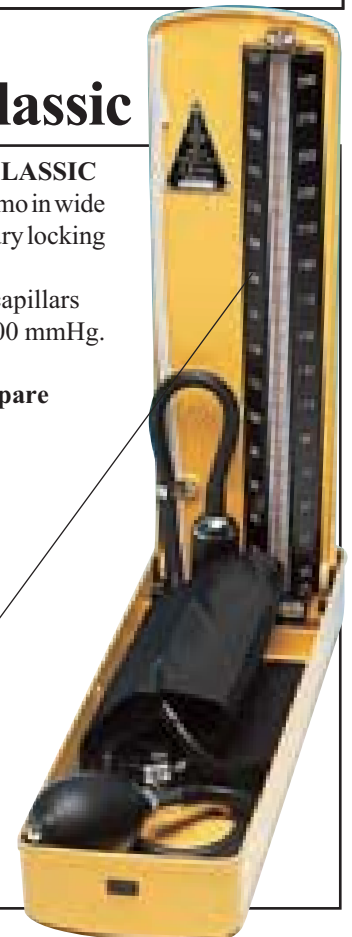
Traditional desk mercurial sphygmo in wide lightweight metal box with mercury locking device and velcro cuff.

High precision glass tube with capillars 4.2 mm \pm 0.2 mm. Range 0-300 mmHg. Made in Germany.

Code 32882 GLASS TUBE - spare



Internal \varnothing 4.2 mm



Mercurial Sphygmomanometers: wall, rail, trolley



YTON LINE - Made in China

Code 32760 YTON MERCURIAL SPHYGMO - wall

Code 32769 YTON MERCURIAL SPHYGMO - trolley

Mercury sphygmomanometers with velcro cuff (2 tubes) and storage compartment. 0-300 mm/Hg.

KENZ LINE - Made in Japan

Code 32764 MERCURIAL SPHYGMO - trolley

Recommended for hospitals, thanks to its mobile trolley and height adjustable stand. Features include: velcro cuff (2 tubes) storage compartment, scale angled back for easy reading. Safety mercury locking device.

EMPIRE LINE - Made in Germany - RIESTER

Code 32762 EMPIRE - anaesthetic model (rail)

Rail and clamp not included.

Code 32766 RAIL clamp (for code 32762)

Code 32763 EMPIRE - wall

Code 32765 EMPIRE - trolley

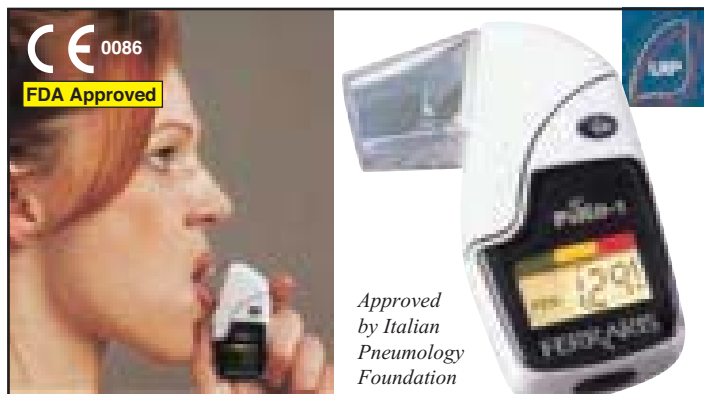
Attractive mercury sphygmomanometers. Housing made of resistant engineering plastic, including a basket, **swivelling up to 65° in each direction**. Precision glass tube with inner diameter of 4.2 mm +/- 0.2 mm. Face plate with easy-to-read graduated scale. Maximum reading 300 mmHg. Mercury lock. Basket for convenient accessory storage. Coiled tubing extensible to 3 m. Maximum error through range +/- 3 mmHg. With latex bulb and chromed-plated air release valve.

Mounting hardware included.

Code 32883 GLASS TUBE - spare for EMPIRE



Peak Flow Meters: Digital and Mechanical



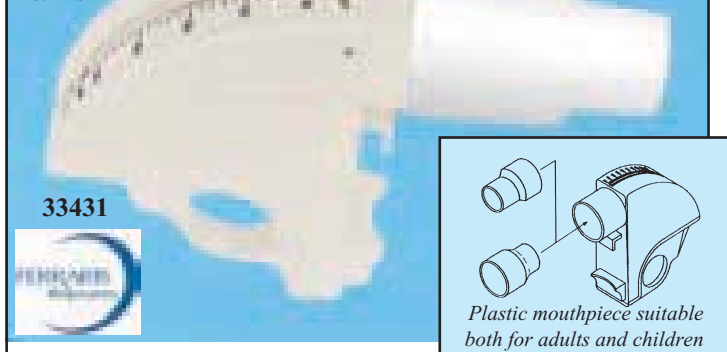
Code 33435 PIKO-1 - digital peak flow meter
Code 33436 PC DOWNLOAD DEVICE + SOFTWARE
Code 33437 MOUTHPIECES

The new PiKo-1 is one of the world's most sophisticated tool for managing asthma at home. In addition to measuring PEF, test quality alerts and storage of tests, PiKo-1 also measures FEV₁. Many asthma doctors worldwide consider FEV₁ a more reliable predictor of impending symptomatic airway obstruction. Low cost: price compares to mechanical peak flow meters.

Technical Specification

PEF:	Range 15 - 999 L/min (1 L/min resolution)
FEV ₁ :	Range 0.15 - 9.99 Litre (0.01 Litre resolution)
Accuracy:	PEF: $\pm 5\%$ or 20 L/min (whichever is greater) FEV ₁ : $\pm 3\%$ or 0.1 Litre (whichever is greater)
Sensor:	Pressure/flow sensor technology (patented)
Non-volatile Memory:	96 tests contain: PEF, FEV ₁ , Colour zone, Quality factor, Time/date stamp (15 min resolution)
Reference values:	User settable for PEF or FEV ₁
Quality factor:	Warning & indicator for cough or abnormal blow
Communication:	Bi-directional IR port (RS232 format)
Dimensions-Weight:	75x35x20 mm - 35 g

Calibrated and graduated scale
from 60 to 800 l/min BTPS
Comply with
EU/ATS



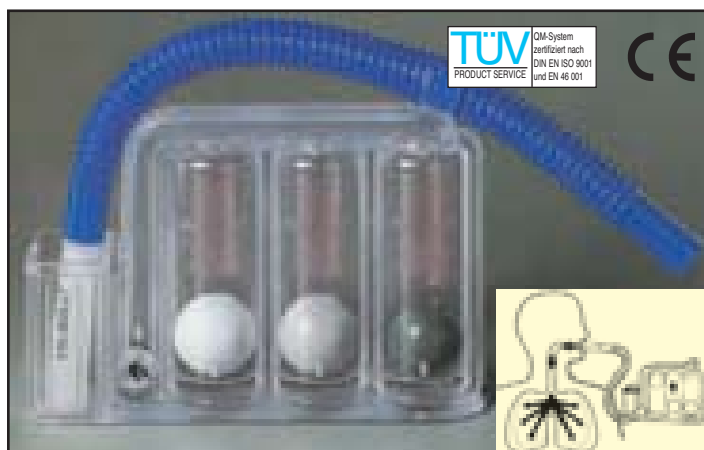
Code 33431 POCKET PEAK - standard 60-800 l/min - cream
Code 33433 POCKET PEAK - low 50-400 l/min - yellow

The Pocketpeak Peak Flow Meter is designed to provide simple and reliable home asthma management. Lightweight and easy to use, it provides accurate and reliable measurements time and time again. It is easy to clean and features a universal mouthpiece.

The EU/ATS Scale Pocket peaks will not only comply with the new European Standards but also with ATS (American Thoracic Society) Standards. Standards range pocket peak will cover 60-800 litres/min, low range will cover 50/400 litres/min. Package includes multilingual directions for use and peak flow diary, all packed in a cardboard box. Made in UK. Size 86 x 81 x 30 mm. Weight 45 g. Standards: EN 13826:2003

Code 33432 UNIVERSAL MOUTHPIECES - re-usable
 In plastic, sterilizable, suitable both for adults and children.
Code 33410 DISPOSABLE MOUTHPIECES - box of 500

Lung exercise device



Code 33445 TRI-BALL® - respiratory exerciser

The respiratory-exerciser Tri-Ball® helps the patient to recover the normal respiration after a chest or abdominal surgery. Visible incorporated label allows fast identification of the patient who owns the set.

Economical: as it is a small size product, it allows, without altering its function, to save maintenance and storage costs.
Hygienic: Differing from others respiratory exercisers, Tri-ball® incorporates a container to place the mouthpiece after being washed. This container has a lower aperture to drain the spared cleaning water drops. In this way we get a total protection of the mouthpiece after using the exerciser. User manual in English, French, German, Italian, Spanish.

Aerosol Holding Chamber



Code 33438 POCKET CHAMBER

Now you can manage your asthma conveniently and effectively with a truly pocket-sized device, proven as effective as MDI chambers nearly twice its size. The Pocket Chamber delivers a high concentration of respirable aerosol, to help provide relief from asthma symptoms while capturing large particles and reducing unwanted side-effects.

- Whistle alerts patients if inspiratory rate is exceeded
- Effective, affordable alternative to expensive aerosol delivery
- Flexible port accepts virtually any MDI's mouthpiece

Technical specification

Size: 108 x 47.5 mm	Volume: 110 ml
Mouthpiece: 22mm OD	Weight: 33 grams
Materials: All Latex Free Silicone	
User Manual: in English, Spanish, French, German, Italian, Dutch, Portuguese, Turkish and Greek.	
Warranty: One year	Made in UK

SPIROBANK II - Portable spirometer with SpO₂ Option

Code 33511 SPIROBANK II + SOFTWARE

Spirometer with 6,000 spirometry test memory capacity, with possibility to insert patient name, Bluetooth® connection to HP printer

- Internal temperature sensor for automatic BTPS conversion
- High resolution/high visibility graphic display
- Patient identification by name or ID code
- Automatically records the best 3 trials
- USB cable, carrying case and software included

Code 33513 SPIROBANK II + SOFTWARE + OXYMETER

same as above with Oximeter with 1,000 hours (40 days) oximetry recording, for measuring and saving into PC of:

- Short or long term (overnight) SpO₂ and Pulse Rate measurements
- ODI, NOD, T90%, T89%; T88% and T87% calculation
- Sleep apnea detection with desaturation events recording
- Walk Test (6MWT) with SpO₂ and Pulse Rate analysis
- 24 hours holter test
- SpO₂ range: 0-99%, Pulse Rate range: 30-254 BPM

Technical specifications

Measured parameters:

FVC, FEV1, FEV1/FVC%, FEV6, FEV1/FEV6%, PEF, FEF25%, FEF50%, FEF75%, FEF25-75%, FET, Vext, FIVC, FIV1, FIV1/FIVC%, PIF, *FVC, *FEV1, *PEF, VC, IVC, IC, ERV, FEV1/VC%, VT, VE, Rf, ti, te, ti/t-tot, VT/ti, MVV (* Best value)

No calibration required

PRE-POST bronchodilator comparison

Spirometry interpretation with test quality assurance

Flow sensor: bi-directional digital turbine

Flow range: ± 16 L/s

Volume accuracy: ± 3% or 50 mL

Flow accuracy: ± 5% or 200 mL/s

Dynamic resistance at 12 L/s: <0.5 cmH₂O L/s

Connectivity and data transmission: USB,

Bluetooth®, wireless internal modem for acoustic coupling to telephone (telemedicine applications),

Power Supply: 4 x 1.5 V, AAA battery

Software functions:

- On-line PC connection with icon interface
- Real time Flow/Volume and Volume/time curves
- Bronchial challenge with FEV1 dose-response
- Paediatric incentive animations
- Integration with EPR systems
- Lung age estimation
- Data and graphs export also via E-mail

Weight 180 g

Size 60x145x30 mm

128x64 pixel display

PC connection Via USB or RS232

CE 0476

33513

GIMASPIR-50

CE 0476

Size: 70x80x30 mm
only 100 g
including battery

LCD display
(2 lines x 16
alphanumeric
characters)

ATS
standard

FDA Approved

33471

SpO₂ option

33469

Code 33471 GIMASPIR-50 SPIROMETER

Complete and rapid pocket spirometer for the General Practitioner to carry out spirometry and SpO₂ (optional) testing anywhere.

- Turbine sensor simple to clean. **No calibration required**
- Measures the most important spirometric parameters including **FVC, FEV1, FEV1%, PEF, FEF25-75, FET**
- Automatic interpretation with traffic light indication
- Best test selected and saved in memory
- Measured parameters compared to predicted values
- Direct A4 printout to RS232 printer (with optional code 33472)
- Selectable display language (English, Spanish, French, German, Italian)

- GIMASPIR-50 is supplied in a carrying bag with spare mouthpieces

Code 33469 SpO₂ PROBE + SpO₂ MODULE

Code 33472 RS232 CABLE FOR DIRECT PRINTING

It allows to send test of last patient to a HP printer for a full A4 size printout. No connection to PC.

Code 33410 MOUTHPIECES int. Ø 2.8 x ext. Ø 3, h 6.5 cm

Technical specification

Flow sensor: Turbine with infrared interruption

Power supply: 3V Lithium battery CR123A, life 2 years in normal use

Test duration: Maximum 60 s Flow range: + 16 L/s

Flow accuracy: ± 5% or 200 ml/s whichever is greater

Max volume: 10 l - Volume accuracy: ± 3% or 50 ml whichever is greater

SpO₂ range: 0-99% ± 2% - BPM range: 30-254 BPM ± 2%

MINISPIR: PC spirometer

CE 0476

Size: 52x128x26 mm
Weight: 60 g
Flow range: ± 16 L/s

ATS
standard

FDA Approved

PC system requirements

Microsoft Windows:
2000, ME, XP, 98 (2nd edition)
Screen resolution: 1024x768
Hard disk: 160 MB
USB socket available

Supplied with USB cable,
carrying case,
winspiroPRO software

Code 33530 MINISPIR with software

USB PC Spirometer (PC not included)

Plugs directly into the USB socket of your PC, no need of batteries or other connections. Provided of internal temperature sensor for automatic BTPS conversion.

Measured parameters: FVC, FEV1, FEV1/FVC%, FEV6, FEV1/FEV6%, PEF, FEF25%, FEF50%, FEF75%, FEF25-75%, FET, Vext, FIVC, FIV1, FIV1/FIVC%, PIF, *FVC, *FEV1, *PEF, VC, IVC, IC, ERV, FEV1/VC%, VT, VE, Rf, ti, te, ti/t-tot, VT/ti, MVV best values

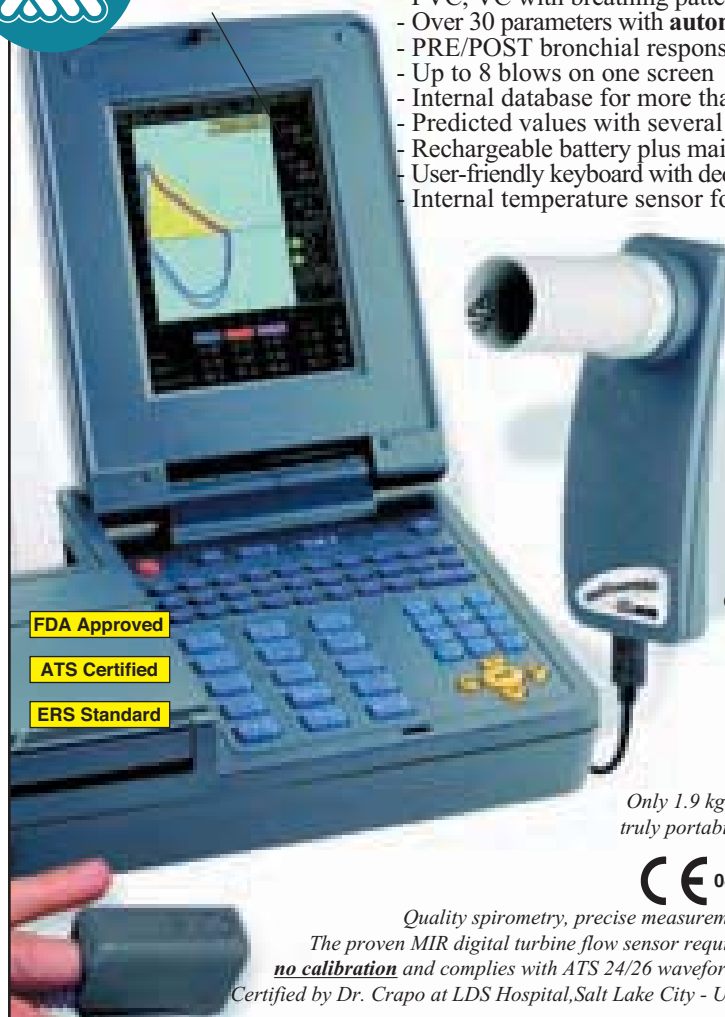
WinspiroPRO software:

On line PC connection with simple to use icon-based interface. Flow/Volume and volume/time curve shown in real time on PC. Lung age estimation. PRE-POST bronchodilator comparison. Bronchial challenge test with FEV1 dose response curve. Spirometry interpretation with test quality assurance. Includes a series of user-selectable and amusing paediatric incentive animations. Powerful database facilities. Printout with complete spirometry report. Data and graphs export also via e-mail.

Spirolab III - Diagnostic Spirometer with SpO₂ option



LCD Colour display
240x320 pixel,
size 90x120 mm



FDA Approved

ATS Certified

ERS Standard

Only 1.9 kg for
truly portability



Quality spirometry, precise measurement
The proven MIR digital turbine flow sensor requires
no calibration and complies with ATS 24/26 waveforms.
Certified by Dr. Crapo at LDS Hospital, Salt Lake City - Utah

Code 33521 SPIROLAB III - diagnostic spirometer with high resolution colour display, built-in printer and PC software

Code 33522 SPIROLAB III same as 33521 with SpO₂ functions

A really complete spirometry system:

- FVC, VC with breathing pattern plus MVV tests with real time curves
- Over 30 parameters with **automatic interpretation** and test quality control
- PRE/POST bronchial response protocol with F/V loop comparison
- Up to 8 blows on one screen
- Internal database for more than 6,000 complete tests
- Predicted values with several sets of authors
- Rechargeable battery plus mains power 220V-50 Hz (110V-60 Hz on request)
- User-friendly keyboard with dedicated function keys plus alphanumeric data entry
- Internal temperature sensor for automatic BTPS conversion

- Free upgradable internal software from web, maintaining previously stored data

- Selectable multilanguage internal software (English, Italian, French, German), possibility to download through internet Spanish, Portuguese, Turkish and other languages

Finger Oximeter (33522 only)

- Short or long term (overnight) SpO₂ and Pulse Rate measurements

- ODI, NOD, T90%, T89%, T88, T87%

- Sleep oximetry with desaturation events

- Oximetry during exercise test

Code 33410 ADULT MOUTHPIECES - Ø 3 cm ext - box of 500

Code 33492 THERMAL PAPER - 112 mm

Code 33515 SpO₂ PROBE - adult - spare

Code 33516 SpO₂ PROBE - paediatric

Code 33517 DISPOSABLE SpO₂ PROBE - neonatal - box of 10

Standard accessories

Carrying case	Software Winspiro PRO
Battery charger	USB port and cable
1 roll thermal paper	Nose clip

Technical specifications 33521-33522

Flow/volume range	± 16 L/s
Volume accuracy:	±3% or 50 ml
Flow accuracy:	±5% or 200 ml/s
Dynamic resistance:	<0.8 cm H ₂ O/l/s
Dimensions:	310 x 205 x 65 mm
Parameters:	FVC, FEV1, FEV1/FVC%, FEV6, FEV1/FEV6%, PEF, FEF25-75%, FEF25%, FEF50%, FEF75%, FET, Vext, *FVC, *FEV1, *PEF, PIF, FIVC, FIV1, FIV1/FIVC%, VC, IVC, ERV, IC, FEV/VC%, VT, VE, Rf, Ti, Te, Ti/T-tot, VT/Ti, MVV *: Best value
Made in Italy.	

Mouthpieces and noseclip for most Spirometers

Gima has selected a range of paper mouthpieces (disposable) and plastic mouthpieces (re-usable) suitable for the most popular brands of spirometers and peak flow, as Cosmed, Fukuda, Ferraris, Micromedical, Mir, Multispiro, Sibel, Vitalograph, ...

GIMA code	Material	Sizes - cm Ø int x ext x h	For GIMA codes	Compatible with
33410	paper	2.8x3x6.5 adult	33401/03/04/31/33/71, 33511/3, 33520/1	Micromedical Vitalograph Mir
33411	paper	2.0x2.2x6 paediatric	33401/3/4, 33511/3 33520/1	Micromedical Vitalograph Mir
33506	paper	2.6x2.8x6.5	33484, 33485, 33486 33487, 33480, 33510	Sibel
33494	paper	1.9x2.1x7	33486, 33487	Sibel
33890	paper	2.5x2.7x7	-	Fukuda
33892	paper	2.8x3.05x7	-	Cosmed (Pony model)
33442	plastic	2.4x2.6x5	33440	Multispiro
33432	plastic	1.7x2.1x5 2.7x3x5	33431, 33433	Ferraris

Code 33501 BACTERIAL VIRAL FILTER FOR GIMASPIR - reusable

Code 33504 MEMBRANE FOR BACTERIAL FILTER - disposable - box of 50

Code 33474 NOSE CLIP



Up to 720 l/min

33474

33501+33504

GIMASPIR 120 Spirometers



Fleisch System
(codes 33486-33487)

Code 33484 GIMASPIR 120A - Turbine type

Code 33485 GIMASPIR 120B - Turbine type

Code 33486 GIMASPIR 120C - Fleisch type

Code 33487 GIMASPIR 120D - Fleisch type

The spirometers GIMASPIR 120 and 110 are compact devices based on different types of transducers (Fleisch or Turbine), a wide liquid crystal backlit screen and an internal or external printer. They can incorporate a module for measuring the Maximum inspiratory and expiratory pressures (MIP-MEP) and another module for pulse oximetry measurement (SpO₂).

An optional software allows connection to a computer in real or deferred time, in order to perform and store the spirometric tests, or to transfer information by other means. All the system is controlled by a microprocessor for the acquisition, calculation and display of alphanumeric and graphic data. Gimaspir comes complete with transducer (Fleisch or Turbine type), 100 disposable mouthpieces, noseclip, 2 rolls of thermal paper, mains power supply, manual.

Code 33475 GIMASPIR 110A - Turbine single use

Same as GIMASPIR 120 A, but with disposable transducer.

This is an efficient method to prevent contamination of equipment.


Allows a number of tests to be carried out on one single patient.

Accurate and economic, no filter, no mouthpiece required.

Different transducer type


1 - Pneumotachometer
(FLEISH Type)

33490



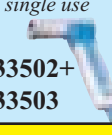
2 - Transducer
(TURBINE Type)

33489



3 - Transducer
single use

33502+
33503



PREVENT RISK OF CONTAMINATION

GIMA code	Accessories for Spirometers	Compatibility of accessories				
		110	Gimaspir 120			
		A	A	B	C	D
27139	Carrying Bag	•	•	•	•	•
33488	Software Gimaspir 110 and 120	•	•	•	•	•
33489	Turbine transducer - (2) - spare	•	•	•	•	•
33490	Fleisch transducer - (1) - spare	•	•	•	•	•
33491	Thermal paper - 58 mm	•	•	•	•	•
33492	Thermal paper - 112 mm	•	•	•	•	•
33506	Adult mouthpieces - Ø28 ext x 65 mm	•	•	•	•	•
33494	Pediatric mouthpieces - Ø21ext x 70 mm	•	•	•	•	•
33495	Adaptor for pediatric mouthpiece	•	•	•	•	•
33497	Bronchoconstriction tests*	•	•	•	•	•
33498	Int. database for 500 tests w. graphics*	•	•	•	•	•
33499	Pmax - Pmax module*	•	•	•	•	•
33496	SpO ₂ pulse oximetry module*	•	•	•	•	•
33500	Battery	•	•	•	•	•
33505	Calibration syringe	•	•	•	•	•
33502	Single use transducer	•	•	•	•	•
33503	Handle for code 33502	•	•	•	•	•



Internal software and manual in English/Italian on request available in Spanish, French, Portuguese, German



CE 0318
Class Iia

Code 33488 optional software English
Italian - French - Spanish selectable

Technical specification	Gimaspir 110/120			
	A	B	C	D
FLEISCH type transducer			•	•
TURBINE type transducer	•	•		
FVC, VC, MVV tests in PRE and POST bronchodilatation mode	•	•	•	•
Bronchoconstriction tests		Option	Option	•
Graphic superposition	•	•	•	•
Check-up programme	•	•	•	•
Graphic incentive for children		•	•	•
Configuration programme	•	•	•	•
Internal data base for 150 tests graphics		•	•	
Internal data base for 500 tests graphics	Option	Option	Option	•
Internal printer	58 mm	112 mm	112 mm	112 mm
External printer connection	Option	Option	•	•
Data transfer via Internet with PC of:				
Patients tests	•	•	•	•
Device check-up data	•	•	•	•
Software upgrade	•	•	•	•
Tests exportation to other management systems	•	•	•	•
Calibration for quality control or tests, according to standards	•	•	•	•
SpO ₂ module	Option	Option	Option	Option
Pmax-Pmax module	Option	Option	Option	Option
Software under Windows to work with PC in real or deferred time	Option	Option	Option	Option
Measuring range: Flow form 0 to ± 16 l/s; volume from 0 to 10 l				
Flow-Volume accuracy: 5% or 200ml/s - 3% or 50 ml whichever greater (ATS, ERS)				
Flow resistance: <0.06 kPa/l/s at 14 l/s (ATS, ERS)				
Resistance at 14 l/s: Turbine ≤ 0.125 KPa/l/s Fleisch ≤ 0.095 KPa/l/s				
Display: Liquid Crystal Display; 320x240 pixels, Area of 120x90 mm				
Data input: Alphanumeric membrane keyboard				
Maximum duration and number of manoeuvres: FVC, 25s (5 curves); VC, 45s (5 curves); MVV, 15s (5 curves)				
Safety standards: IEC 601.1 (EN60601.1), UNE 20-613, IEC 601.1.1 (EN601.1.1)				
Power supply: 200-240 V 50/60 Hz (other voltage on demand)				
Power 25 VA (aprox.)				
Dimensions: 210x297x95 mm.				
Weight: 1.7 Kg.				Made in Europe

*If ordered separately, please indicate serial number of equipment, necessary to have access password

Portable Audiometers



CE 0318

33612

Code 33610 AUDIOMETER AS5-A - air conduction
Code 33612 AUDIOMETER AS5-AOM - air+bone+masking
Code 33620 TEST RESULTS PAD
Code 33621 INSULATION DEVICE for air conduction phone (insulation 3-4 db)
Code 33622 AIR CONDUCTION PHONE - spare
Code 27139 CARRYING BAG - nylon

Gima audiometers have a microprocessor allowing simple and quick measure audition levels. All the operations can be made by a membrane keyboard and visualized on an alphanumeric LCD display of 16 characters.



33621

Visualized on an alphanumeric LED display of 16 characters:

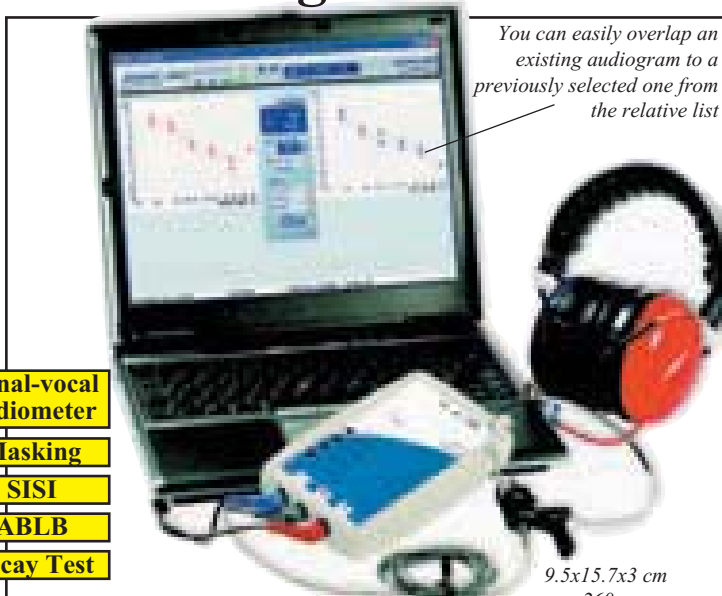
Frequency and sound pressure levels									
Frequency	250	500	1000	2000	3000	4000	6000	8000	Hz
Max. pure tone ac	90	105	105	105	105	105	90	80	dB HL
Max. pure tone bc	40	50	50	50	50	50	-	-	dB HL
Min. pure tone ac/bc	-10	-10	-10	-10	-10	-10	-10	-10	dB HL
Level increments	5	5	5	5	5	5	5	5	dB HL
Frequency accuracy	±3% at all frequencies								
Levels accuracy	±3 dB								
	ISO 389, UNE 74-020-78								

Audiometers features		
	33610 AS5-A	33612 AS5-AOM
Air conduction	•	•
TDH39 phones	•	•
Continuous tone	•	•
Pulse tone	•	•
Signal indicator	•	•
Masking noise	•	•
Bone conduction	•	•
Bone vibrator	•	•
Patient response	•	•
LCD display	•	•

Technical specifications	
Channels: one	
Masking noise (33612 only): White noise	
Level range = 30 to 80 dB SPL	
Levels increments = 5 dB	
Power supply: 220 V 50 Hz, 15 W	
Dimensions: 342x246x95 mm	Weight: 2,5 Kg
Norm: UNE 20-613, IEC 601.1	Made in Europe

Standard accessories	
1. Air conduction phones thd-39	
1. Bone conduction phone (only for codes 33612)	
1. Patient response switch	
1. Test results pad (100 sheet)	
1. Pen (red, blue)	
User manual (English, Italian, Spanish)	

Clinical Digital 2 channels PC Audiometer



You can easily overlap an existing audiogram to a previously selected one from the relative list

Tonal-vocal audiometer

Masking

SISI

ABLB

Decay Test

Code 33605 AUDIOLAB AUDIOMETER

All the tecnology of a digital 2 channels clinical audiometer in only 250 g. You can perform audiometry test directly on your PC display, save on your database and print when necessary. PC not included. Made in Italy.

Standard accessories

Head phone TDH 49	USB cable
Radio EAR B.71 bone vibrator	CD with software
Pat response	Operating manual

Technical specifications	
Clinical audiometer two channels (EN 60645-1)	
Type 1 A-E (EN 60645-1 - EN 60645-2) - Type 2 A-E (ANSI S 3.6)	
Number of channels: 2, identical and independent	
Output	
AC R - AC L - AC R+L - BC R-L - FF R - FF L - FF R+L	
Masking contralateral with AC, BC, FF	
Pure tone frequencies	
AC: 125 - 8.000 Hz, BC: 250 - 8.000 Hz, FF: 125 - 8.000 Hz	
Intensity range (1.000 Hz) - 10 + 120 dB HI	
Maximum output level	

PURE TONE 1,000 Hz				
Transducer	TDH49	ER3A	B71	FF
Db HL	120	115	75	100
NBM	95	95	-	95

Speech Audiometry

Transducer	TDH49	ER3A	B71	FF
Db HL	100	100	-	100
NBM	95	95	-	95

Vocal material

- List of the words installed into internal flash memory
- CH1 - CH2 independent inputs, CD1, CD2 two separate VU-Meters, masking noise SM and WM.

Signal mode

- Normal ON - Normal OFF • Continuos - pulsed
- Warble - frequency modulated ± 5% rate 5 Hz
- ABLB • SISI with increment 1-2-3-4-5 dB. • DECAY TEST • BEKESY
- PAT RESPONSE • TALK - BACK • TALK - FORWARD
- Digital output for control Peep-Show

Accuracy

- Resolution 16 Bit
- Precision ± 50 ppm
- Stability ± 100 ppm
- Distorsion < 1%
- Ratio signal/noise > 100dB
- Power supply: USB port

Made in Italy

Clinical 2 channel Audiometer



AC50 comes complete with air and bone cuffs, patient response with switch, user manual.



FREQUENCY	125	250	500	750	1000	1500	2000	3000	4000	6000	8000	Hz
MAX LEVELS												
Pure tone Air Conduction	80	100	120	120	120	120	120	120	120	110	100	dB HL
Pure tone Bone Conduction	-	50	60	60	70	70	70	70	70	-	-	dB HL
Free field	-	70	90	90	90	90	90	90	90	80	-	dB HL
MASKING NOISE												
Narrow-band noise AC	60	80	100	100	100	100	100	100	100	100	90	dB HL
Narrow-band noise BC	-	40	50	50	60	60	60	60	60	-	-	dB HL
Speech noise AC						100						dB HL
Speech noise BC						70						dB HL
SPEECH AUDIOMETRY												
Air Conduction						100						dB HL
Free field						70						dB HL
Min. levels	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	dB HL
Levels increments	5	5	5	5	5	5	5	5	5	5	5	dB HL
Frequency accuracy						2% at all frequency						
Levels accuracy						±2 dB						

Code 33630 AC 50 PROFESSIONAL AUDIOMETER air + bone conduction

Permits speech audiometry, hearing loss calculations and all types of audiometric tests, both screening and liminar-supraliminar, including diagnostic tests like: PURE TONE, SISI, VOCAL DISCRIMINATION, ABLB, LÜSCHER, WARBLE, STENGER and others.

It can be connected to a printer which will produce the audiogram and hearing-loss assessment and to a PC, through an RS-232 C channel, to store and manipulate audiometric tests.

Code 33633 INTERCOM KIT (headphone+microphone)

Code 33631 SOFTWARE

Technical specifications

Channels: two

Transducers: THD 39, B-71 or B-72

Tone presentation: Continuous - Pulse - Frequency Modulation - Amplitude Modulation - ABLB - SISI

Tone switching: Normal-Inverted tone switch - With key without noises

Standards: • Safety: IEC 601.1, EN 60601.1

• Audiometry: IEC 645.1, IEC 645.2 UNE20-641

• Calibration: ISO 389, ISO 7566, UNE 74-020

Outputs: Channel RS232 C - For HP - PCL or IBM Graphics printer

Internal Memory: Capable of storing 50 patients

Power supply: 220V 50/60 Hz (other options)

Size: 470x250x95 mm - Weight: 4.5 Kg



Handheld Impedance Audiometer/Tympanometer

Code 33645 MT10 IMPEDANCE AUDIOMETER

Code 33646 MTP10 IMPEDANCE AUDIOMETER

- with printer

Code 33647 PAPER ROLL - 80 mm thermal paper

Code 33648 SPARE EARTIPS Ø 6/7/9/10/11/13/15/18 mm

- specify with order

MT10 is an automatic, portable impedance audiometer for both screening and clinical applications

Main features:

- automatic Tympanometry test
- pass/fail limits on screen
- 4 acoustic reflex tests per ear
- actual reflex response is recorded
- reflexes tested at correct pressure
- automatic reflex search
- audiometric screening
- memory for 20 patients
- calculates gradient
- many printing options
- rechargeable batteries
- large high resolution display

Technical specifications

Tests

- Tympanometry Normal: +200 to -300daPa
Extended: +300 to -600daPa
- Acoustic Reflex Test 4 reflexes per ear
Automatic Intensity Search or Fixed Stimulus Intensity
Intensities: up to 110 dBHL (100 dBHL at 3-4 kHz)
Frequencies: 0.5 kHz, 1 kHz, 2 kHz, 3 kHz, 4 kHz.
Actual reflex recorded and displayed
- Screening Audiometry Intensity: 10 dBHL to 50 dBHL
Frequency: 0.5 kHz, 1 kHz, 2 kHz, 3 kHz, 4 kHz.

Probe Tone

Frequency: 226 Hz ± 3%

Pressure

Amplitude: 85 dB SPL ± 3 dB
Direction of Sweep: positive to negative
Pump Speed: 250 - 350 daPa/sec.
Resetting Time: 0 Seconds.

Internal Memory

Pressure Accuracy: ±10% or 10daPa
Tympanometry, 4 reflex recordings and Audiogram for Left as well as Right ear.
20 patients' full testing scheme.
Selective patient storing.

Power supply

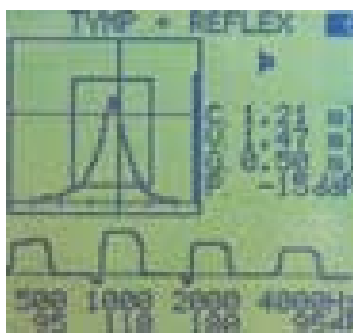
3 High quality rechargeable NiMH batteries included.

Weight and Dimensions

MT 10 Weight: 500 g
MT 10 Dimensions: 10x25x13 cm



33646



Acoustic reflex test



33645

Standard accessories

- Base station with built-in thermal printer, charging and "interface to PC (only code 33646)
- 3 rolls of thermal paper
- set of eartips
- power supply
- operation manual
- 3 NiMH rechargeable batteries
- service manual

Portable Audiometers

Code 33601 PA5 AUDIOMETER

Code 33602 PA5 SINGLE EARPHONE for adult use

The pediatric audiometer PA5 is a free field audiometer for testing children's hearing. Together with the optional single earphone it can be used also for adult.

Main features:

- Warble tones and narrow band noise
- White noise for easy detection
- Triangle light simulation
- COR, APR, and VRA
- Silent presentation button
- Automatic battery switch and indicator

Includes 3 "AA" batteries.

Technical specifications

Frequencies: 500, 1000, 2000, 3000, 4000 Hz.

Stimuli: Warble tone, NB and WN

Intensities: Distance 50 cm: 30-80dB HL in 10dB steps, for Warble Tone and WN.
20-70dB for NB

Distance 16 cm: increases intensity by 10 dB.

Weight: 360 g

Dimensions: LxWxH: 25x7x5cm



Insulated Booths

The GIMA insulated booths have been designed using the newest sound-insulation materials. This feature has allowed to reduce the weight with a high insulation and functionality, and beauty too.

The external surface is made of washable panels.

Inside it is pleasantly illuminated and comfortable.

It allows a fast and easy assembling performable by no specialized worker.



GIMA code	Insulated Booths
33639	85 x 72 x 187 cm
33640	90 x 90 x 215 cm
33641	110 x 110 x 215 cm
33642	125 x 125 x 215 cm

Technical specifications

Attenuation: 33.5 dB "250 - 8000 Hz" (certified)
32 dB "100 - 10000 Hz" (certified)

Weight: 265 kg approx.

Ventilation: unforced ventilation system

Window: double panel

Rules: CEI 601.1, ANSI S3.1, ISO 8253-1

Power supply: 220 V 50-60 Hz (other options) Power consumption: 50 W

Adaptable to any audiometer Certified by: investigacions N. 95.007.927

GIMA portable, bidirectional, vascular doppler

Code 33230 GIMA BIDIRECTIONAL DOPPLER

NON STEREO with two probes: 4 and 8 MHz.

Continuous wave (CW) bidirectional doppler with 4 and 8 MHz probes. It is equipped with electronic probes for high sensitivity and low background noise.

- Bidirectional graphic separation of flow (forward and reverse)
- LCD graphic display for real time display of forward and reverse flow in bidirectional or separate mode
- Selectable amplitude scale: 1, 2, 4, 8 kHz. during the test and before printing. Preset zero line.
- 5 minutes (300 sec.) continuous and reviewable memorized test. Operator can select the most meaningful exam and print it.
- Calculation of: heart rate, peak flow and mean flow.
- Simultaneous connection of high sensitivity probes
- Internal rechargeable large capacity battery (Ni-Cd 1.8 Ah); the system can be operated during charging. Autonomy 8 hours use or 1 hour print.
- Footswitch for freezing or memorizing the graphs
- Hardcopy may or may not include the parameter calculation
- Printing time scale: 25 mm/s.
- High definition thermal printer 192 dots
- Hi-fi audio output for correct acoustic diagnosis
- Light, only 1.8 kg, and compact (24 x 23 x 8 cm)



GIMA code	Gima dopplers accessories
33240	GIMA bidirectional probe 4 MHz - spare for 33230
33241	GIMA bidirectional probe 8 MHz - spare for 33230
33250	Thermal paper 58 mm x 25m (pack of 5 rolls)

Electro-Pneumatic Tourniquet

Code 33132 ELECTRO-PNEUMATIC TOURNIQUET

With one adult cuff and one THIGH cuff

Applications: surgery of arms and legs, local anaesthesia.

Built-in compressor, pressure setting up to 60 cm Hg, automatic compensation in case of loss of pressure, quick/Emergency disconnecting facility of the cuffs, solid cast-iron enclosure with transport handle, washable Velcro™ cuffs.

Code 33135 SPARE CUFF Specify for adult, child or neonate.

Code 33140 SPARE THIGH CUFF

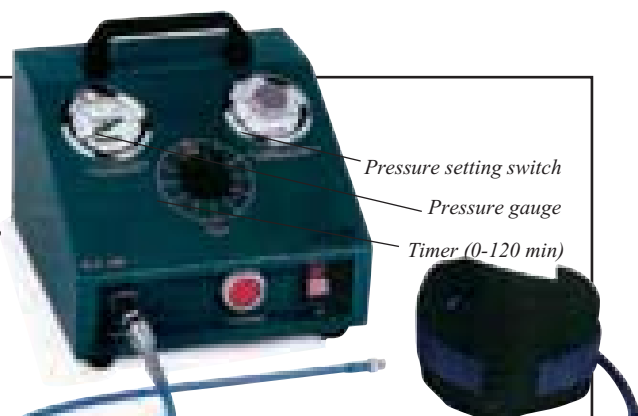
Technical specifications

Operating voltage: 220 V - 50 Hz

Weight: 3.5 kg

Size: 23 x 23 x 23.5 cm

Made in France



Stereodop - Professional Vascular System

Code 33235 STEREOGOP with 2 probes: 4 and 8 MHz

STEREOGOP GIMA is a continuous wave (CW) bidirectional stereo doppler with 4 and 8 MHz pencil probes, high resolution printer, large LCD display and rechargeable batteries that provide a doppler signal of high quality.

Main features

- **Real time high resolution thermal printer.** With 3 speeds: 5, 12.5, 25 mm/s, 384 dots on 58 mm thermal paper.
- **High resolution backlit LCD graphic display.** 320x240 dots, 1/4 VGA.
- Selectable zero line position. Inversion of graph and scale.
- Mode selection: bidirectional or separate.
- Display speeds: 5, 12.5, 25 mm/s. Double printer control.
- **Hi-Fi stereo audio amplifier.** Acoustic power: 5 + 5 watt.
- Venous filter selection. Bandwidth: 20 Hz to 12 KHz.
- Automatic gain control (AGC) and digital volume regulation.
- **Double footswitch:** for freezing (the right) and for printing (the left).
- **Microprocessor controlled system.** Memory of last 90 sec.
- The post processing system allows the flow of graph to change the scale, the zero line positioning, the speed, to make the inversion, to select the mode and to insert or to include or exclude the following calculations: peak systole, end diastole, mean velocity, pulsatility index, resistivity index and heart rate.



Standard accessories

2 electronic probes: 4 and 8 MHz. Footswitch
Battery charge Carrying case
Gel bottle 50 g Thermal paper roll 30 m Manual (English, Italian, French)

GIMA code	Stereodop accessories
33237	Stereodop probe 4 MHz
33238	Stereodop probe 8 MHz
33250	Thermal paper 58 mm x 25 m (pack of 5 rolls)

Pocket doppler with interchangeable or fixed probes

CE 0120 Supplied in a nice bag with 7 languages user manual: English French German Italian Spanish, Greek, Portuguese and gel tube.

2 MHz



33126

5 MHz



33127

8 MHz



33128

Lightweight only 350 g



33123

Top quality: Made in UK

Technical specifications

Ultrasound
Frequency: 2, 5 or 8 MHz continuous wave
Transducer: 2 crystal narrow beam
Output power: <15mW/cm² SATA
Audio Response: 300Hz - 4 KHz

Unit Controls
Keys: 1 Key (for unit on/off)
Controls: rotary volume
Indicators: Yellow battery low LED

Power supply
Battery 9 V Alkaline Manganese (not included)
Expected battery life: >9 hours

Output
Headset: Audio output to optional headset (not included)

Material: ABS / Noryl
Size: 150 mm by 75 mm
Weight: 299 g (with transducer)
Classification: Class I Type B - IEC 60601-1
Warranty: 1 year - Made in UK

GIMA POCKET DOPPLERS

Small, lightweight, high sensitivity pocket Doppler. Its probes are ideal for use by a General Practitioner, vascular specialist for routine vascular examination in ER for vessel location, or by specialists in diabetes, urology and gynaecology. Vascular flow signals and FHR are easily located using the transducer while internal signal processing minimises noise artefacts. The flow signal is also available to the user via the built-in loudspeaker with output level controlled by rotary volume control.

GIMA code	GIMA Pocket Dopplers
33120	DOPPLER V2005 with 5 MHz fixed vascular probe
33121	DOPPLER V2008 with 8 MHz fixed vascular probe
33123	DOPPLER V2000 (without probe)
33126	2 MHz interchangeable probe - foetal for V2000
33127	5 MHz interchangeable probe - vascular for V2000
33128	8 MHz interchangeable probe - vascular for V2000
29511	ON/OFF MEMBRANE SWITCH spare for 33120/3

Digital Ecocolour Doppler

Code 33980 ECO COLOUR DOPPLER - 17" flat monitor
Supplied with 3 probe connectors, trolley, keyboard, without probes
 Digital colour Doppler System with professional features:

Imaging mode:

- B (2D), B/B, B/M, M, 4B, Power Doppler, Pulse doppler, CFM
- Triplex (real time simultaneous 2D, doppler and colour)
- Duplex (real time simultaneous 2D and doppler)
- Trapezoidal imaging - **Harmonic**, optional 3D

Image processing technology:

- Full digital beam former - Auto doppler - Data edit: frozen image can be optimized by changing gain, STC, zoom, dynamic range, smooth, frame averaging, base line...

Raw data image post-processing:

- Image edition can be done after patient leave

Software Package for most clinical applications

- For abdomen, OB/GYN, cardiac, vascular
- Intelligent zoom, real time, frozen zoom.

Fully PC-Based and Windows operating system

- Fast data processing
- Large image storage: HardDisk, USB, CD, 1394 Port
- Print directly to PC-printer and Video-printer

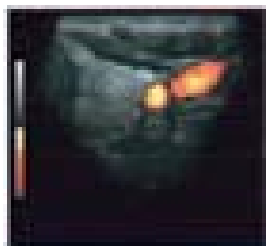
Wideband multifrequency probes

Continuously adjustable, 2-12 MHz

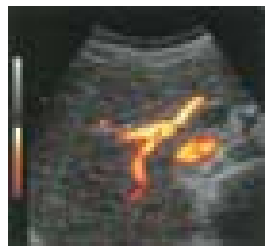
Code 33981 ECO COLOUR DOPPLER + 3D

Same as code 33980 but with 3D free hand package

Code 33990 MITSUBISHI CP900E COLOUR PRINTER



Trapezoidal imaging-thyroid



Power doppler-liver

Flat monitor

Triplex mode carotid artery



Optional printer

Separate keyboard

3 probe connectors

GIMA code	Probes		Frequency (MHz)		● Main application ○ Alternative application							
	Outlook	Scanning Method	Main freq.	4-Step Multi-frequency	Abdominal	OB/GYN	Urology	Small parts	Breast	Cardiology	Proctology	Pediatrics
33983		Convex	3.5	2.5/3.5/4.5/5.0	●	●						
33984		Linear	7.5	5.0/6.0/7.5/9.0				●	○			○
33985		Micro-convex (Transvaginal)	6.0	4.5/6.0/7.0/8.0		●	●					○
33986		Cardiac	3.0	2.0/2.5/3.0/3.5						●		
33987		Linear	9	6-12				●	○			○

B/W 2D and 3D Ecographs

Code 33970 ECOGRAPH 8800-2D - supplied with three probes connector, trolley, ergonomic keyboard, cine memory card and 14" SVGA monitor, without probes.

Same as code 33959 but with extra features:

- 128 frame cine memory, cine loop, picture-in-picture
- 80 G hard disk - 100,000 images capacity
- CD driver and floppy driver, USB port
- Intelligent zoom function (real time and frozen mode)
- LAN output for direct connection to PC
- Professional software package included

Code 33971 ECOGRAPH 8800 - 3D - without probes

Same as 33970 but with 3D free hand package

- Easy to use, live training material available
- Special sensor allows fast 3D scanning
- 3D package is built inside the 2D system and use 2D probes reducing hardware costs

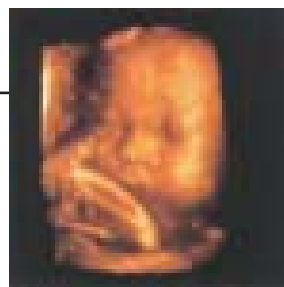
Foot switch included

GIMA code	Probes		Frequency (MHz)		● Main application ○ Alternative application							
	Outlook	Scanning Method	Main freq.	4-Step Multi-frequency	Abdominal	OB/GYN	Urology	Small parts	Breast	Cardiology	Proctology	Pediatrics
33972		Convex with 3D sensor	3.5	2.5/3.5/4.5/5.0	●	●	●			○		
33973		Convex	3.5	2.5/3.5/4.5/5.0	●	●	●			○		
33974		Linear	7.5	6.0/6.5/7.5/9.0				●	○		○	●
33975		Micro-convex (Transvaginal)	6.0	4.5/5.0/6.0/7.0		●	○				○	○
33976		Cardiac	3.0	2.0/3.0/4.0/4.5						●		

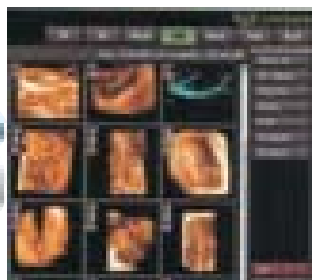


33971

910x550x1310 mm
80 kg



B/W images during 3D elaborations looks like in colours



Professional software package

For codes 33959/70/71, 33980, 33981 we can provide full training in our facilities or in your facilities (Europe only).

B/W Digital Ultrasound System - Ecograph

Code 33910 ECOGRAPH 8500 - supplied with two probes connector, trolley, ergonomic keyboard, cine memory card and 14" SVGA monitor, without probes.

- **Excellent image:** 14" SVGA monitor with scanning line by line, flashing free, 256 grey levels. **Harmonic imaging.**

- **Unlimited memory:** 128 frames allow you to choose the best image when you miss the right moment.

- **USB port** to import/export images to a PC

- **Zooming:** intelligent 4 steps

- **Digital multi frequency probes:** each probe has 4 steps of frequency, tailored to different patient's body types (2-9 MHz).

- **Image processing:** Pre-processing: IP selection, dynamic range, edge enhancement, smooth, frame averaging, scanning angle selection, line density selection. Post-processing: Ycorrection, gray transformation, gray rejection. **STC:** 8 slides for near, far and overall gain control.

- **Image reversing:** left/right, up/down, positive/negative

General measurements: B mode: distance, circumference, area, volume, ratio, angle, % stenosis, histogram, profile.

M mode: distance, time, velocity, heart rate.

EDD tables: BPD, GS, CRL, FL, HC, AC (user-defined EDD tables are available)

Code 33968 FOOTSWITCH

Multi-function knob for quick adjustment

Digital technology

General software package for ABDOMEN, OB/GYN, SMALL PART, UROLOGY, CARDIOLOGY.

Special cardiology package (LV, mitral valve, CO, LVET...), Special fetal growth analysis software.



2 probes connectors

Technical specifications

2 VGA output, 1 video output, footswitch part.

Display mode: B, B/B, B/M, M, 4B

Scanning technique: real time dynamic imaging (RDA, RDF, DFS, DRA)

Scanning depth: 240 mm max. (depending on probe type)

Probe frequency: 2-9 MHz

Power supply: 230V/50Hz (110V/60Hz on request)

* With 2nd harmonic imaging

Portable Ecograph for human uses

Lightweight: only 7 Kg
(size: 42x27x25 cm)

CE 0197



33931

Two probes connector included with 33931

Code 33931 PORTABLE ECOGRAPH 10" SVGA monitor with two probe connectors, 64 frames cine memory, without probes

- Zooming and measurement functions

- Wide applications: GYN, urology, abdominal, small parts

- Easy to use, just one day to learn all functions

- 4-steps sweep speeds for cardiac study: 2s, 4s, 6s, 8s

- 4-steps zoom with depth control: x0.8, x1.0, x1.5, x2.0

- Various measurements: Distance, Circumference, Area, Volume

- Full Ob/Gyn software included: 7 EDD tables (BPD, GS, FL, AD, HC, AC, CRL), G.A. (fetal age) from 4-43 weeks

- Fetal weight, fetal heart rate measurement

- Imaging reversing: up/down, left/right, positive/negative

- Power supply: 230 V/50 Hz (110V/60 Hz on request)

Code 33967 SONY PRINTER UP-897 MD

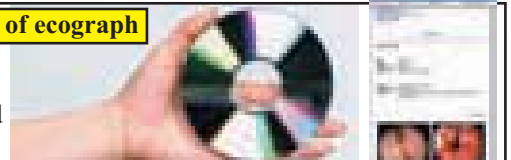
You can use any other printer for ecograph on the market

GIMA code	Probes		Frequency (MHz)		Main application						
	Outlook	Scanning Method	Main freq.	4-Step Multi-frequency	Abdominal	OB/GYN	Urology	Small parts	Breast	Cardiology	Pediatrics
33932		Convex	3.5	2.5/3.5/4.0/5.0	●	●					
33933		Linear	7.5	5.0/6.0/7.5/9.0				●	○		●
33934		Micro-convex (Transvaginal)	6.0	4.5/6.0/7.0/8.0	●	○					

Code 33969 ECOGRAPHY SOFTWARE

For storing and saving ultrasound pictures on a PC, fully personalizable by users it allows re-printing of images and examination report. Compatible with windows XP, ME, 2000. It can download pictures from any brand of ecograph. It can also download data from the following brands: Esaote, Siemens, Toshiba, Philips, Medison, Hitachi

For any brand of ecograph



Digital Portable Ecograph

Code 33900 DIGITAL PORTABLE ECOGRAPH 8300 supplied with 10" SVGA monitor and 2 probes connectors, CINE memory card, 2 USB ports, software packages. Without probes.

Professional portable ecograph with wide range of probes and high quality of images suitable in many specialistic fields.

Image:

- B, B/B, 4B, M, B/M
- Harmonic imaging
- 256 gray scales
- Scanning depth: max 240 mm (depending on probe)

Probes: supplied with 2 probe connectors

- Selection of 5 probes: Electronic Convex / Linear / Transvaginal / Transrectal / Cardiac
- Wideband multi-frequency 2-9 MHz

Image processing:

- Fully digital beamforming technology
- Real-time dynamic imaging: RDF, RDA, DFS, DRA
- Frame averaging: 8 steps
- Linear averaging: 8 steps
- 6 STC slides for near far and overall gain control
- Image reversing: left/right, up/down
- Zoom: intelligent zoom, 4 steps

Measurement and report

- B mode: Distance, circumference, area, volume, ratio, angle, %stenosis, histogram, profile
- Cardiology package: LV, mitral and aortic valve, CO, LVET, MVCF, SV, EF, cardiac index
- Software package: Abdomen, OB/GYN, Cardiac, Urology
- M mode: distance, time, velocity, heart rate
- EDD tables, gestational age: BPD, GS, CRL, FL, HC, AC
- Fetal weight, fetal heart measurement, growth analysis, LMP, BBT

Others

- CINE: 128 frames, play back selectable
- 10 inch, SVGA high resolution monitor
- image permanent storage: hard disk, USB (2 ports)
- can use PC printer (A4) or video printer

Code 33901 TROLLEY: Modern design, height adjustable trolley, provided of 4 wheels with brake.

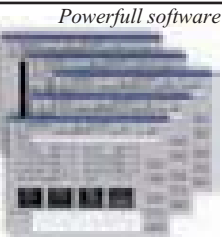
Code 33967 SONY PRINTER UP-897MD

Fully portable,
ergonomic
design



Powerfull software

Report
templates:
NORMAL, OB,
GYN,
UROLOGY,
CARDIAC
reports



230V-50Hz
(110V-60Hz on
request)

Two USB ports

Two probe
connectors

Back-light
keyboard for
better visibility
in dark room



2ND HARMONIC IMAGING

Transmitted frequency 3.5 MHz
Received frequency 7.0 MHz

Ignore fundamental signal from received signal

Internal organ or tissue
Only for code 33904

Optional
printer

33900+33901+33967

GIMA code	Probes		Frequency (MHz)		Main application ○ Alternative application							
	Outlook	Scanning Method	Main freq.	4-Step Multi-frequency	Abdominal	OB/GYN	Urology	Small parts	Breast	Cardiology	Proctology	Vessels
33904		Convex	3.5	2.5/3.5/4.0/5.0	●	●						
33905		Linear	7.5	5.0/6.0/7.5/9.0				●	○		○	●
33906		Micro-convex (Transvaginal)	6.0	4.5/6.0/7.0/8.0		○					○	
33907		Cardiac	3.0	2.0/3.0/3.5/4.5						●		
33908		Transrectal	7.5	5.0/6.0/7.5/9.0		●					●	

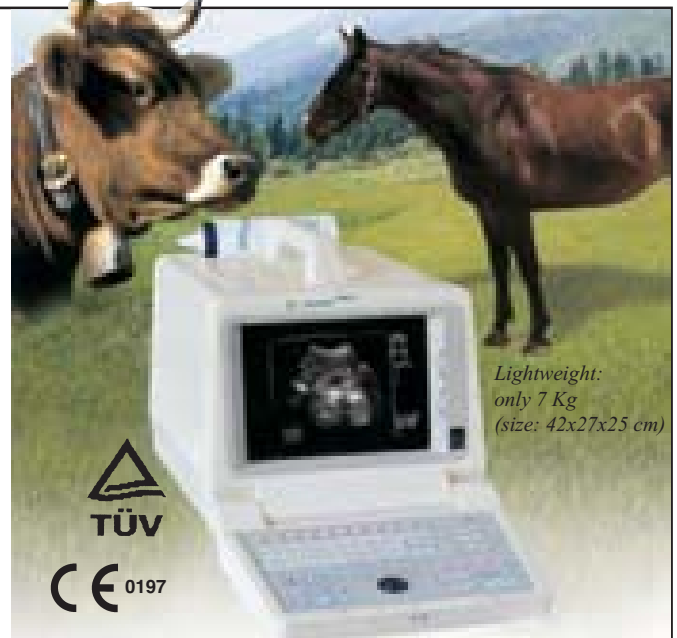
Portable Ecographs for Veterinary applications

Code 33936 VETERINARY ECOGRAPH 10" SVGA monitor with two probe connectors, cine memory card, without probes.

- Image reversing: left/right, up/down, positive/negative
- Zooming: x 1.0, x1.2, x1.5, x2.0 with scroll-up depth control
- Measurements: distance, circumference, area, volume (bladder volume, thyroid volume), 15 body marks.
- Reproduction software: Bovine: BPD, CRL, Trunk diameter, Equine: GA, Canine: GS, CRL, HD, BD, Feline: HD, BD
- Ovine: BPD, CRL, Trunk, Diameter
- Power supplies: 230V/50 Hz (110V/60 Hz on request)

Code 33967 SONY PRINTER UP-897 MD

GIMA code	Probes		Frequency (MHz)		Applications		
	Outlook	Scanning Method	Main freq.	4-Step Multi-frequency		Pregnancy	Abdominal Cardiology
33932		Convex	3.5	2.5/3.5/4.0/5.0	Ovine	●	
					Canine	●	
33938		Linear Rectal	5	3.5/5.0/6.0/7.0	Equine	●	
					Bovine	●	
					Ovine	●	
33939		Micro-convex	5	3.5/5.0/6.0/7.0	Feline	●	●
					Canine	●	●



Lightweight:
only 7 Kg
(size: 42x27x25 cm)



CE 0197

Sony printer and paper



Code 33967 SONY PRINTER UP-897 MD - black/white
Produces A6 size printings in about 2 seconds, with superb print quality and color with 325 dpi and grey level of 256 steps.
110-240 V AC, 50/60 Hz

Code 72730 SONY PAPER - UPP-110 HD - box of 5 rolls
High density printing paper- 110 mm x 20 m

Code 72731 SONY PAPER - UPP-110 HG - box of 5 rolls
High glossy printing paper- 110 mm x 18 m

Gima videoprinter paper



Code 72721 VIDEOPRINTER PAPER - roll 110mm x 21 m

GIMA Videoprinter paper-compatibility list

List of compatible printers	Alternative to papers	Nr of prints
Mitsubishi electric P-60/61/65/66/67/90/91	K-61 B, K-65 HM	200
Sony UP-860-890/D860/D890	UPP-110 S, UPP-110 HD, UPP-110 HA	80
Aloka	SSZ-300 S	100
Hellige SSZ-300	226 149 01	100
Helwett-Packard	77510 A	200

Coupling Gel for Ultrasound, EEG and EMG



COUPLING GEL this versatile product can be used with:

- **all ultrasound transducers**, to create a perfect contact between transducer and skin.
 - **electrical devices** (dopplers, cardiocardiographs, echoencephalography, miography, transcutaneous stimulation in physiotherapy, defibrillator and other electromedical devices) to increase electrical conductivity between electrodes and patient body
- Does not create dirt or cause irritation, soluble in water, easily removable by a towel. Made in Italy.



GIMA code	Gel for Ultrasound, Doppler, EEG, EMG,...	Minimum order
33370	Gel for Ultrasound (tube 250 ml.)	24 tubes
33372	Gel for Ultrasound (bottle 1000 ml)	20 bottles
33373	Gel for Ultrasound (rigid tank of 5 Kg)	4 tanks
33374	Gel for Ultrasound (soft bag of 5 Kg)	4 bags

Up to 52 hours Ambulatory Blood Pressure Monitor

Code 33351 AM100 GIMA ABPM with adult cuff

Code 33353 ADULT CUFF - 57x14.5 mm - spare

The AM100 is a compact, lightweight instrument that provides a cost-effective solution for monitoring patient's blood pressure outside the clinical environment.

AM100 employs the popular oscillometric technique of blood pressure measurement that is used in patient monitoring in hospital worldwide. The simplicity of this technique provides for the quickest patient hook-up. AM100 interfaces to **Win Pro PC Software** for monitor programming as well as report editing and generation.

Oscillometric technology: quick hook-up, making it easy to use, saving your staff time

Compact and quiet: quiet operation and compact size aids patient compliance.

Low power consumption: requires only two "AA" batteries, making this unit much less expensive than others.

AM100 is supplied complete with software, standard cuff, carrying-bag, English manual and PC connection cable.

Pediatric cuff (34x11 cm) and large cuff (62x17 cm) on request

Technical specifications

Technique: Oscillometry with step deflation
Accuracy: +/- 3 mmHg
Display: Liquid crystal
Recording duration: Up to 52 hours
Sample quantity: Over 250 sample of systolic, diastolic, MAP and heart rate
Sampling periods: 3 time periods
Power source: 3 VDC/Two 1.5 V "AA" Alkaline



PG WIN PRO PC INTERFACE

- Creates a monitoring plan tailored to an individual patient with up to 3 specific time periods
- Generates concise clinical reports.

PG Win reports include full disclosure of blood pressure readings, heart rate, mean arterial pressure, blood pressure load and trend of BP values vs. time.



3 and 6-12 Channel digital ECG with high resolution monitor



With interpretation

CE 0068

Portable with small dimensions and light weight



Display: LCD 320 x 240 dots, backlight CFL

33350

Code 33334 CARDIOGIMA 3M - 1-3 ch. with interpretation
Code 33350 CARDIOGIMA 6M - 3-6-12 ch. with interpretation (monitor 3-6 channels, printer 3-6-12 channels)

- LCD monitor in Standard or Cabrera format with base line setting
- High resolution thermal printer (8 dots/mm): hardcopy 1-3 or 3-6-12 channels real time with possibility to print a millimetric grid
- Manual or automatic recording
- Image freeze with memory scrolling for reviewing and hard copy of acquired signals (Memory 10 seconds for each lead)
- Digital filters for elimination of muscle tremors, power line and base line noises.
- Pacemaker detection
- Power supply by built-in high capacity Ni-Cd batteries and fast charging time

- Very simple operation by pre-defined fast keys and menus
- Based on a risk processor for a full digital signal processing

Standard accessories 3M and 6M

Patient cable	6 chest limb electrodes
4 limb electrodes	1 roll of paper
Manual (English, Italian)	1 bottle of gel
Rapid guide: English, Spanish, Italian	

GIMA code	Cardiogima accessories	Minimum order
27139	Transport bag (see at page 24)	-
33338	Thermal paper 58 mm x 25 m (Cardiogima 3M)	10 rolls
33352	Thermal paper 112mm x 23m (Cardiogima 6M)	10 rolls
33328	ECG cable - spare	-

Technical specifications Cardiogima 3M and 6M

Power supply: internal rechargeable ni-cd batteries
 Operating Voltage: 220V $\pm 10\%$; 50 - 60Hz; 150mA (110V-60Hz on request)
 Battery autonomy: 2.5 hours
 Applied part: CF type
 Input impedance: > 100 Mohm
 Frequency response: 0.05: 145Hz
 Cmr: > 91 dB (3M) 100 dB (6M) Time constant: > 3.2 s
 Acquisition: 12 bit 800 samples/sec/channel-isochrome
 Leads: 12 standard or Cabrera

Sensitivity: 5mm/mV; 10mm/mV; 20mm/mV $\pm 5\%$
 Scrolling speed: 5mm/s; 10mm/s; 25mm/s; 50mm/s
 Signal memory: 10s for each lead
 Printer: thermal printer 8 dots/mm, paper 58 mm (3M) 110 mm (6M).
 Filters: muscles tremors 35Hz digital; power line interferences 50-60Hz digital; high pass 0.5Hz digital
 Defibrillation protection: internal
 Display/Hardcopy: 1/3 channel (3M) 3/6/12 channel (6M)
 Dimensions: 240 x 160 x 65 mm. Weight: 1.5 kg. Made in Italy

Gimaplay 1 - single channel ECG



33331

CE 0068

Code 33331 GIMAPLAY 1 - 1 channel ECG with monitor
 A real portable ECG with small dimension and light weight, with LCD monitor and high resolution thermal printer (8 dots / mm hardcopy, 1 channel real time)

With manual or automatic recording, memory 10 seconds for each lead. Includes digital filters for elimination of muscles tremors, power line and base line noises. Based on a risk processor for a fully digital signal processing

Code 33338 THERMAL PAPER 58 mm x 25 m

Code 33328 ECG CABLE - spare

Standard accessories 3M and 6M

Patient cable	1 roll of paper
1 bottle of gel	4 limb electrodes
Manual (English, Italian)	6 chest limb electrodes
Rapid guide: English, French, Spanish, Italian	

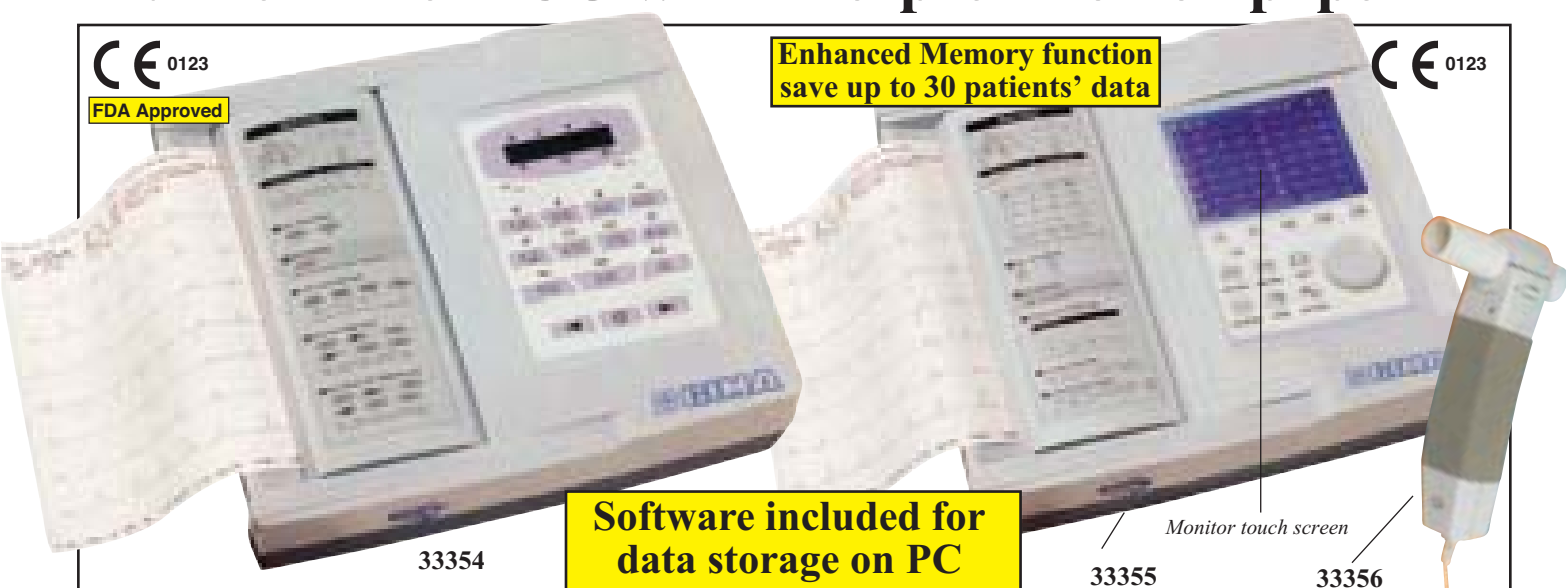
Technical specifications

Power supply: internal rechargeable ni-cd batteries
 Operating voltage: 220V $\pm 10\%$; 50 - 60Hz; 150mA max (110V - 60 Hz on request)
 Battery autonomy: 4 hours
 Applied part: CF type
 Input impedance: > 100 Mohm
 Frequency response: 0.05: 145Hz

Cmr: > 100 dB time constant: > 3.2 s
 Acquisition: 12 bit 800 samples/sec/channel
 Leads: 12 standard
 Sensitivity: 5mm/mV; 10mm/mV; 20mm/mV $\pm 5\%$
 Scrolling speed: 5mm/s; 10mm/s; 25mm/s; 50mm/s
 Signal memory: 5s for each lead
 Printer: thermal printer 8 dots/mm, paper 58-60 mm.

Defibrillation protection: internal
 Filters: muscles tremors 35Hz digital; power line interferences 50-60Hz digital; high pass 0.5Hz digital
 Dimensions: 190 x 120 x 60 mm. Weight: 900 g.
 Conformity standards: 93/42/CEE; EN60601-1; EN60601-1-2; IEC601-2-25 Made in Italy

Multi channel ECG with interpretation on paper



Code 33354 CARDIOGIMA 12 ECG - 3-6-12 channel

Code 33355 CARDIOGIMA 12 M ECG - 3-6-12 channel with monitor

We propose two models of 12 channel resting ECG recorder which are the most economically priced without performance compromise, especially suitable for routine use in Private consultancies, Emergency Room or Hospitals. **The simultaneous record of 12 channels** has a high diagnostic value - all the 12 channels are illustrated at the same time.

Their design is maximized for the user's convenience (A4 size paper, one body type).

Main Features:

- 12 leads simultaneous 10-second resting ECG with interpretation in only 60 seconds (multilanguage, internal software+printing in English, Spanish, French, German, Russian, Italian, Chinese).
- Wide Paper Printing (A4 size thermal paper, fax paper is OK)
- Economically priced without performance compromise
- Combined output of all relevant curves, patient data, date, time and instrument settings
- Pacemaker and lead fault detect (only 33355)

- Fax-PC Connections

Connection to fax and PC (PC interface with RS 232 port Via LAN-software included) and submit already recorded ECG signal to other specialist for evaluation (only a modem is needed)

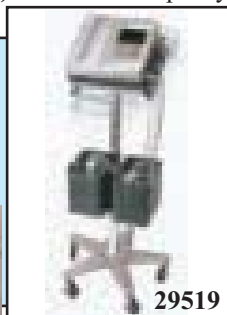
- ECG filing system "ECG Plus"

A fully configured PC-based filing system enables to record ECG signals, display them in real time, print and record them.

- Rechargeable batteries available (optional) with 1 hour capacity in normal use (about 100 ECG printouts)

Standard accessories

- 1 PC software (English/Italian)
- 1 LAN cable
- 1 Patient cable - 10 leads
- 4 ECG clip-on electrodes
- 6 Chest electrodes, suction for adult
- 1 ECG electrode cream (70 g)
- 1 Power cable
- 1 Recording paper rolls
- 1 Operation manual (English/Italian)



29519

GIMA code	Cardiogima 12 and 12M accessories
29534	Rechargeable battery - for 33354
33339	Rechargeable battery - for 33355
33358	Thermal paper A4 - for 33355
33359	ECG cable for 33354-5
29519	Trolley for 33354-5

Other ECG accessories at pages 139

Code 33356 SPIROMETER MODULE - for code 33355

It transforms CARDIOGIMA 12M in a 2 in 1 system: ECG-SPIROMETER.

Spirometry measuring values:

FVC: FEV 1.0, FEV 1/FVC, FEV 0.2-1.2L, FIVC, FEV 25-75, FEV 75-85%, PEF, FEF 200-1200 ml, FEF 25%, FEF 50%, FEF 75%, FIF 50%, PIF, FET 100%, FIVC.

SVC: SVC, ERV, IRV, TV, EC, IC, BC

MVV: RR, TV, MVV

Presentation: flow volume loop, flow time plot, measurement values table. Complies with ATS standard.

Code 33362 DISPOSABLE MOUTHPIECES

Technical specifications 33354 - 33355

ECG Leads:	3-6-12 channel illustration of ECG signals in continuous recording or 10 sec. recording with interpretation.
Dimension:	296x305,5x92,5 mm Approx 3 kg
Recording channel:	3, 6, 12 channel and 1 channel (60 sec.)
Sensitivity:	2,5 (only 33355) 5, 10, 20, auto (I~aVF: 10, W1~V6: 5) mm/mV
Printing speed:	12,5; 25; 50 mm/s
Filters:	AC (50/60 Hz, -20 dB or better) Muscle (25~35 Hz, -3 dB or better) Low pass filter (off, 40 Hz, 100 Hz, 150 Hz)
Display:	2x16 character LCD display (code 33354) 320x240 character LCD display (3 leads trend) (code 33355)
LCD display:	Sensitivity, speed filter status, HR, Printing form, rhythm lead
LED indicator:	signal quality, power source, battery
Keyboard:	Membrane keyboard, alphanumeric and symbol available
Patient data:	ID, name, age, sex, height, weight
Basic measurement:	Heart rate, PR, QRS, QT/QTc, P-R-T axis
Recorder:	Thermal print head, thermal paper roll Report papers: width: A4: 210 mm or 8.5", length A4: 300 mm or 11" Resolution: vertical: 8 dots/mm, horizontal: 16 dots/mm Internal noise: 20µV (p-p) max Input circuit: floating input Isolated and defibrillation protected DC offset voltage: $\geq \pm 500$ mV Patient leakage current: $< 10\mu A$ Frequency response 0,05~150 Hz
Electrical:	
Power:	Power supply: AC or built-in battery (options) Power requirement: 100-240 Vac, 50/60 Hz, 1.0-0.5 A Power consumption: 60 W max
Battery capacity:	1 hour of normal use (approximately 100 automatic ECG printouts)
Communication:	PC Connection with RS-232 interface and LAN
Safety:	Class I, Type BF
Conformity:	CE, CSA
	Made in Korea

PC-ECG with Interpretation Software and USB port

Code 33320 PC-ECG + ECG LAB SOFTWARE

Innovative PC-ECG device that can be connected to your PC via USB port. No power cable is required as it is powered through the USB PC cable. The unit is supplied with a 10 banana plug ECG cable (length 350 cm) and a powerful interpretation software (English, Italian, Spanish)

Main software features:

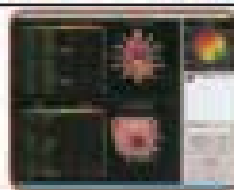
- 12 lead resting ECG with interpretation
- Vector cardiograph (VCG) with interpretation
- Electronic ruler to measure ECG waves
- 3-D VCG animation to diagnose myocardial infarction and difficult arrhythmia
- Database serial comparisons make it possible to study the changes of the disease of the same patient. Can print reports B/W or in colours
- Software can be done in any language - minimum order 3 pieces.

Code 33321 PC-ECG+CARDIOLOGY SOFTWARE

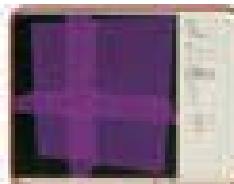
Same as code 33320 but with the following specialistic functions:

Timed vector-cardiograph (TVCG), Frequency ECG (FCG, particular technique to detect ischemia and CAD), High Frequency ECG (HFECG), SAECG (VLP) analysis (Signal Averaged ECG or Ventricular Late Potentials, time domain and 3-D frequency domain), QTD analysis (QT dispersion) with chroma map, Heart Rate Variability (HRV) (time domain, 3-D frequency domain, Lorenz poincare plots), Pacemaker analysis, Heart rate Turbulence (HRT, or VE chaos).

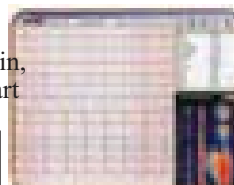
Technical Specifications	
Communication port:	USB
Size:	196x143x30 mm - 550 g
Power source:	5V DC (from PC USB port)
Patient insulation:	4000 V AC
Defibrillation protection:	built in box
PC minimum requirements:	Windows 2000 or XP CPU ≥ 1 GHz HD ≥ 40 G - RAM ≥ 256 M



ECG CAD gram to locate coronary artery disease and ischemia



3D-VCG tool to detect myocardia infarction



QT Dispersion QTD analysis with chroma map

Above 3 pictures refers to code 33321



Only 550 g

Macquarie Medical Systems Multichannel 12 lead ECG



Code 33340 CT100 1-3 CHANNEL E.C.G. - 12 lead

Code 33343 CT200 MULTICHANNEL E.C.G. with PC link, software and interpretation.

Simple to use, have fully automated functions.

Simple one-key operation

One touch key will print a fully labelled 12-lead ECG trace

Light and compact: weighs only 1.5 kg. Size 210x165x45 mm

Built in rechargeable battery

With level of charge displayed on LCD, provides 6 hours continuous operation or over 40 full 12-lead ECG's

Fully formatted printout

Printout automatically labelled with time, date, size, speed, filter setting and an area to fill in patient information.

Two line display

The 2-row LCD displays format, lead, filter, speed and size selections.

Synchronised recording of ECG traces

The 12 standard leads are recorded simultaneously.

CT100/CT200 Technical Specifications

Leads	Standard 12 leads with rhythm and respiration
Memory	12 leads, 10 seconds per each lead
Memory Function	Allows for delayed storage of recording for future download to PC
Manual Recording	One key operation up to 99 seconds printout for any lead
Printing System	Thermal array print head
Printing Paper	57mm wide thermal roll
Auto Labelling	Heart rate, time, date, leads, filter, calibration, patient details
Diagnostics	Yes, via PC Link software on PC or notebook
Universal Power Supply	Built in rechargeable battery. Recharge from AC 10V-12V, using AC adaptor 110V-240V 50/60 Hz
Battery	6 Volt lead acid battery
Battery Life	Up to 40 x 12 lead traces per full charge
Battery Charge Time	6 hours full charge
Display	LCD Character display on unit
Input Impedance	> 10 MΩ
Patient Leakage Current	< 10 μA
Time Constant	3.2 seconds
Recording Speed	12.5mm/s, 25mm/s and 50mm/s
Patient Cable	Defibrillation protected
Auto Gain Reduction	Yes
Sensitivity	5, 10 and 20 mm/mV
Filtering Levels	85Hz, 55Hz, 35Hz, and Off
Frequency Response	0.05 - 100 Hz
Design Standards	CE 0123, 93/42/EEC compliant, Class BF
Made in Australia	

Standard accessories		
12 lead patient cable	2 paper rolls	AC/DC adaptor
6 chest limb electrodes	Plastic stand	1 bottle ECG Gel
4 limb rubber straps	Carry bag	Manual (English - Italian)
Software and PC link cable (33343 only)		

CT200 MULTI-CHANNEL 12 LEAD ECG with PC Link

It can be used as a stand alone unit or can be linked to a PC, to monitor patient signs, as well as printing via A4 printer, email or save data.

Code 33347 THERMAL PAPER for CT 100 / CT 200 - 10 rolls

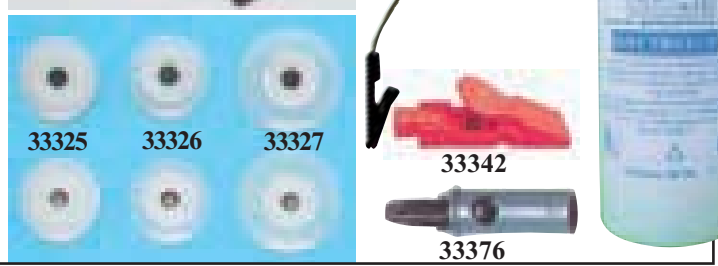
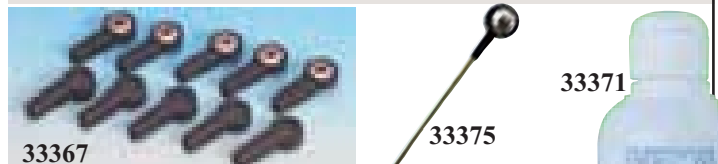
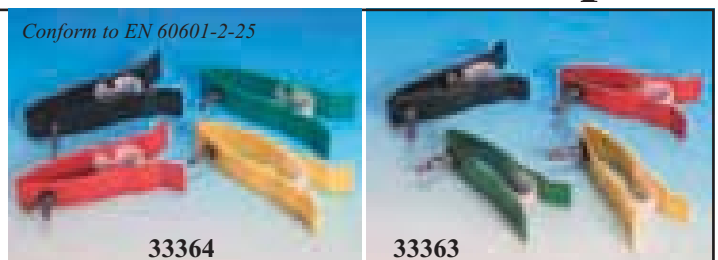
Code 33360 ECG PATIENT CABLE - 12 lead - spare



Accessories for most ECG: cream, electrodes and adaptors

GIMA code	Universal reusable ECG electrodes	Minimum order
33363	Set of 4 limb clamp electrodes (4 colours) pediatric	1 set
33364	Set of 4 limb clamp electrodes (4 colours) adult	1 set
33368	Set of 6 chest electrodes Ø 15 mm- silver coated	1 set
33365	Set of 6 chest electrodes Ø 24 mm- silver coated	1 set
33369	Set of 6 chest electrodes Ø 30 mm- silver coated	1 set
33323	Set of 6 chest electr. Ultra Ø 24 mm - silver coated	1 set
33324	Set of 6 chest electr. Ultra Ø 30 mm - silver coated	1 set

GIMA code	Universal disposable ECG electrodes and adaptors	Minimum order
33325	Disposable FOAM electrodes Ø 43-45 mm	1.250 pcs.
33326	Disposable TNT electrodes Ø 43-45 mm	1.250 pcs.
33327	Disposable TNT electrodes Ø 55 mm	1.200 pcs.
33367	Adaptors to connect ECG cable to code 33325/6/7	10 pcs.
33378	3M RED DOT™ 2330 - 3.2 x 2.2 cm single use electrode with adhesive gel	100 pcs.
33341	Disposable pre-gelled tab electrodes 34x22 mm	100 pcs.
33375	Adaptor for ECG cables (pin)	10 pcs.
33376	Adaptors for ECG cables with 4 mm banana plug	10 pcs.
33342	To be used with GIMAPLAY and CARDIOGIMA ECG Universal adapter with 4 mm socket for snap and alligator connection	10 pcs.
33371	ECG cream - 250 ml	24 bottles



Gima ECG Thermal Papers for different ECG brands



GIMA code	ECG Manufacturer and model	Type	Width mm	Length	Sheet	Marker	Grid	Min. order
33800	BURDICK Eclipse 400	pack	107	140	200	yes	pink	18
33358	BIONET Cardiocare/Cardiotouch	roll	215	25	-	no	no	1
33805	CARDIOLINE Delta 30/60	roll	183	30	-	no	red	5
33806	Delta 1 plus	pack	60	100	300	yes	red	15
33808	Delta 1 plus	roll	60	30	-	no	red	50
33807	Delta 3 plus	pack	112	100	300	yes	red	10
33811	ELETTRONICA TRENTINA Autoruler 12/1, comp. 1x12	roll	50	30	-	yes	blue	50
33812	Start 100	roll	130	27	-	yes	blue	10
33815	ESAOTE BIOMEDICA P 80	roll	90	28	-	no	red	25
33816	P 80	pack	90	70	400	yes	red	25
33861	P 80 Power	pack	210	280	215	yes	red	1
33818	P8000 Power	pack	80	70	300	yes	red	50
33819	Personal 120	pack	126	150	170	yes	black	20

GIMA code	ECG Manufacturer and model	Type	Width mm	Length	Sheet	Marker	Grid	Min. order
33820	FUKUDA ME - FUKUDA DENSHI Cardisun 501 D/S/SA	roll	50	30	-	no	red	50
33821	FPC 15, 2201, OP 119 TE	roll	63	30	-	no	red	50
33822	OP 111 TE	pack	50	75	400	yes	red	24
33823	OP 112 TE	pack	63	75	400	yes	red	30
33338	GIMA Cardiogima 3M, Gimaplay 1	roll	58	25	-	no	red	10
33352	Cardiogima 6M, Kenz 302	roll	112	23	-	-	red	10
33835	HELLIGUE - MARQUETTE Microsmart	pack	90	90	360	yes	pink	10
33840	HEWLETT PACKARD Page Writer 100/200	pack	210	300	200	yes	red	1
33841	Monitor 40453 A	roll	50	30	-	no	red	50
33805	KENZ 301 - 303/601	roll	183	30	-	no	red	5
33347	MACQUARIE CT 100/CT 200	roll	57	15	-	no	-	10
33845	MARQUETTE MAC PC	roll	108	23	-	no	pink	30
33846	Case 10-12-15	pack	215	280	-	yes	red	1
33850	MORTARA Eli 50	pack	50	70	200	yes	pink	50
33845	Eli 100	roll	108	23	-	no	pink	30
33855	NIHON KOHDEN 6101, 6151, 6501, 6511	pack	50	100	300	no	pink	10
33820	PHYSIO CONTROL Life Pack 9-10	roll	50	30	-	no	red	5
33860	SCHILLER AT 1	pack	90	90	390	yes	green	10
33861	AT 2	pack	210	280	215	yes	red	1
33862	AT 10	pack	210	140	235	yes	green	8
33818	AT 101	pack	80	70	300	yes	red	50
33822	SIEMENS Cardiostat 1	pack	50	75	400	yes	red	24
33823	Cardiostat 11	pack	63	75	400	yes	red	30

Colour Multiparameter Monitors



Code 33720 GIMA B3 MONITOR (5.7" LCD display)
Code 33721 GIMA B3 VET MONITOR - VETERINARY
Code 33722 GIMA B3 PLUS MONITOR (8.4" TFT display)
Code 33723 GIMA B3 VET PLUS MONITOR (8.4" TFT display)

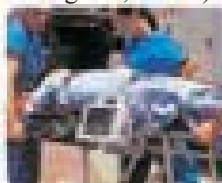
ECG+SpO₂+NIBP+RESP+TEMPERATURE

- GIMA monitors are configured with
- Heart/pulse rate
 - 3 lead ECG (5 lead optional)
 - Non-invasive blood pressure (NIBP)
 - Nellcor Pulse oximetry (SpO₂)
 - Impedance respiration
 - Temperature (sensor is optional)
 - Battery and direct DC (18 VDC) input (not for recharge)
 - Built-in printer (58 mm)
 - 24 hours memory capacity
 - Remote alarm function
 - VGA output (33722, 33723)
 - Internal software selectable in English, Spanish, French, Italian, German, Portuguese, Polish)

Angle of plate adjustable

Height of cart is adjustable

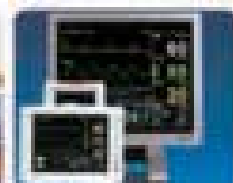
Moving cart increase flexibility around the ward or department.



Direct vehicle cigar jack (12VDC) powered



Easy mounting with bed-rail hook



Direct connection of external monitor

58 mm built-in printer for both real time and trend date (Speeds: 25-50 mm/sec)

Battery status indicator (operating time 2.5 h)

Printing sample

33722

33720



B3 Cost effective colour patient monitor

B3 Vet. Veterinary vital sign monitors



33721

33723

Code 33725 CART

Adjustable height, 2 basket included

Standard accessories	33720/2	33721/3
3 lead patient cable (ECG)	•	• vet
Disposable electrodes: 10 pcs	•	•
NIBP tubing - 3m	•	•
Reusable adult cuff 25-35 cm	•	•
Reusable child cuff	•	•
Set of 3 veterinary cuff	•	•
SpO ₂ sensor - reusable	•	• vet
SpO ₂ sensor extension cable 2 m	•	•
Thermal printer 58 mm	•	•
DC adaptor (18 VDC, 2.5A)	•	•
Battery	•	•
User manual: English, Italian	•	•

PATIENT CENTRAL SYSTEM (up to 16 monitors)

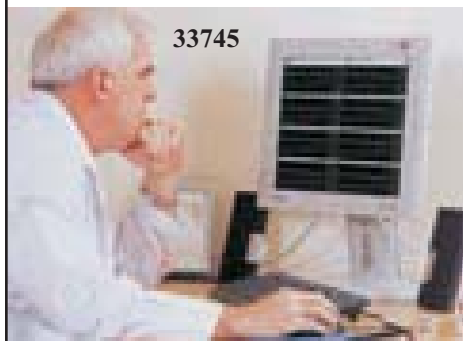
It allows the user to monitor and extract the exact status of several patients simultaneously at a place. Convenient bidirectional communication allows you to admit new patient information, set alarms at either central station or patient monitor.

Code 33745 CENTRAL SYSTEM (PC, monitor and software)

Code 33746 CONNECTION KIT (HUB + LAN cables)

You need one for any monitor to be connected.

33745



Technical specifications

GENERAL

Display: 8.4" colour TFT (800x600) 33722-33723
 5.7 LCD colour - 33720 - 33721
 Dimensions/Weight: 238x250xh 163 mm/3.5 kg
 Indicators: Up to 3 waves (ECG, SpO₂, Respiration) categorized alarms (3 priority levels), visual alarm lamp handle, heart rate tone, battery status, external power led
 Thermal printer: 25, 50 mm/sec (paper width 58 mm)
 Battery: internal battery: sealed lead-acid operating time: 2.5 hours (fully charged)
 Interfaces: LAN digital output for transferring date
 VGA output (33722, 33723)
 DC input connector: 11 to 16 VDC, 3A max
 Operating voltage: 100-240 V, 50-60 Hz

ECG

Leads: 3 leads, 5 leads(OPTION)
 Heart Rate Range: 30 to 300 bpm
 Heart Rate Accuracy: ± 3 bpm, (±5 bpm 33720)
 Bandwidth: 0.5 Hz to 40Hz
 Display Sweep Speeds: 25mm/sec
 ECG Size (Sensitivity): 0.5, 1, 2, 4 mV/cm
 Pacemaker Detection Mode: Indicator on waveform display
 CMRR: >90 dB at 50 or 60Hz
 Input Dynamic Range: ± 5 mVAC, ± 300 mVDC
 Defibrillator Discharge: <5 s
 Defib. artifact recovery time: <8 s
 Arrhythmia analysis: VTAC/VFIB (excluding 33721) VTAC, ASYSTOLIC
 Lead-Off Detection with display indicator

SpO₂

% Saturation Range: 0% to 100%
 Pulse Rate Range: 30 to 300 bpm
 SpO₂ Accuracy: 70% to 100% ±2 digits
 Pulse Rate Accuracy: ± 3 bpm

NIBP

Technique: Oscillometric
 Measurement Modes: Manual: Single measurement
 Auto: Automatic intervals of 1, 2, 3, 4, 5, 10, 15, 20, 30 min. and 1, 2, 4, 8 hr.
 Cuff pressure display: 30 to 300 mmHg
 B.P. measurement range: Systolic: 60 to 250 mmHg
 Mean Arterial Pressure: 45 to 235 mmHg
 Diastolic: 40 to 220 mmHg
 Pulse Rate Range: 40 to 200 bpm
 Adjustable Cuff Inflation Pressure

Respirations

Range: 50 to 120 breaths/min
 Accuracy: ±3 breaths/min
 Display Sweep Speeds: 25 mm/sec

Temperature Unit

Range: 15° to 45°C (59°F to 113°F)
 Accuracy: 25° to 45°C ± 0.1°C, 15° to 24°C ± 0.2°C

Compatible with: YSI Series 400 Temperature Probes

B5 Multiparameter Monitor with extendible parameters

Code 33780 GIMA B5 MONITOR - 10.4" TFT display
Code 33781 GIMA B5 VET MONITOR - 10.4" TFT display 33780+33782

- 10.4" colour TFT screen with 5 wave forms
- High resolution 800x600
- VGA output connecting to an external monitor
- 24 full hours trend and alarm info stored
- Usable for adult to neonatal patient
- LAN or wireless LAN
- Direct DC input during vehicle transport
- Selectable software language (English, French, Spanish, Italian, German).

**ECG+SpO₂+NIBP+RESP+
optional 2TEMPERATURE,
2 IBP and EtCO₂ module**



Standard accessories included as B3 monitor - see page 140

GIMA code	Temperature, EtCO ₂ and IBP kit
33740	Temperature sensor exacon 2.75 m - skin type
33741	Temperature rectal sensor
33782	EtCO ₂ human module (including code 33785)
33783	EtCO ₂ vet module (including code 33784)
33784	EtCO ₂ disposable kit for intubated patient (adult/paediatric/neonatal)
33785	EtCO ₂ disposable kit for non intubated patient (adult/paediatric)
33787	IBP Kit - disposable - single
33788	IBP Kit - reusable (not autoclavable) - single
33789	IBP Kit - reusable (not autoclavable) - double

Arrhythmia analysis:
VTAG, VFIB, ASYSTOLIC
Pacemaker detection indicated
on the ECG waveform display

GENERAL		Technical specifications for monitor 33780 - 33781	
Dimensions/Weight: 270x185xh 250 mm/4 kg		ECG Same specification as B3 Plus page 140	
Indicators: Up to 5 waves (ECG, SpO ₂ , RR, or EtCO ₂ IBPx2)		NIBP	
categorized alarms (3 priority levels), visual alarm lamp handle, heart rate, SpO ₂ tone battery status, external power LED		Technique:	Oscillometric
Thermal printer: 25, 50 mm/sec (paper width 58 mm)		Measurement Modes:	Manual: Single measurement Auto: Automatic intervals of 1, 2, 3, 4, 5, 10, 15, 20, 30 min. and 1, 2, 4, 8 hr.
Battery: Li-ion (2.5 hours operating time)		Cuff pressure display:	0 to 300 mmHg
Interfaces: LAN digital output for transferring date VGA output		B.P. measurement range:	Systolic: 40 to 270 mmHg Mean: 20 to 230 mmHg Diastolic: 10 to 210 mmHg
Operating voltage: 100-240 V, 50-60 Hz		Adjustable Cuff Inflation Pressure	
SpO₂		Respirations	
% Saturation Range: 0% to 100%		Range:	5 to 120 breaths/min
Pulse Rate Range: 0 to 254 bpm		Accuracy:	±3 breaths/min
SpO ₂ Accuracy: 70% to 100% ±2 digits		Temperature Unit	
Pulse Rate Accuracy: ±2 bpm		Range:	15° to 45°C (59°F to 113°F)
		Accuracy:	±0.1°C
		Compatible with:	YSI Series 400 Temperature Probes
		IBP	
		Channels:	2
		Measuring range:	-50 to 300 mmHg
		Measuring accuracy:	±1 mmHg ±1 digit (<100 mmHg) ±1 % ±1 digit (>100 mmHg)
		Pulse rate counting range:	0 to 300 beats/min
		Zero balancing:	Yes
		Range:	±200 mmHg
		Accuracy:	±1 mmHg
		Drift:	±1 mmHg over 24 hours
		Transducer sensitivity:	5µV/V mmHg
		EtCO₂	
		Method:	Side Stream
		Measurement mode:	Microstream
		Measurement range:	0-99 mmHg
		Respiration range:	0-150 bpm
		Accuracy:	±2 mmHg, 0-40 mmHg ±5%, 41-76 mmHg ±10%, 77-99 mmHg
		Resolution:	1 mmHg
		Apnea alarm:	YES

ECG, SpO₂, NIBP, Temperature accessories for Monitors


Code	Accessories for codes 33720, 33721, 33722, 33723, 33724, 33780, 33781			
33711	ECG	3-lead patient cable (cable+snap connectors 33748)	33726	33748
33712		5-lead patient cable (cable+snap connectors 33749)		33750
33726		3-lead patient cable (cable+snap connectors 33750)		
33728		5-lead patient cable (cable+snap connectors 33751)	33728	33752 clip connectors
33727		3-lead veterinary cable (cable+3 clip connectors)		
33748		3-lead snap connectors for 33726 - spare - new		33753
33749		5-lead snap connectors for 33728 - spare - new		
33750	SPO ₂	3-lead snap type connectors for 33726 - spare - old		
33751		5-lead snap type connectors for 33728 - spare - old		
33752		Vet 3-lead clip type connectors for 33726-7 - spare		
33753		Vet 5-lead clip type connectors for 33728 - spare		
33733		Extension cable*, 2 m (7 pin small SpO ₂ connector) up to 2005	33733	33730
33734		Extension cable*, 2 m (6 pin SpO ₂ connector) sold in 2005/6/7		33732
33716		Extension cable*, 2 m (7 pin big SpO ₂ connector) since 2007		
33730	NIBP	Adult reusable finger probe Nellcor comp.		
33731		Pediatric reusable finger probe - Nellcor comp.		
33732		Vet reusable probe - clip		
33755		Disposable infant probe - under 3 kg - Nellcor comp.	33755	33756
33756		Disposable child probe - 3-15 kg - Nellcor comp.		33757
33757		Disposable pediatric probe - 15-45 kg - Nellcor comp.		
33738		Extension cable, 3 m (necessary for all cuffs)	33738	33735
33735	Temp	Adult cuff - 49x15 cm - need ext. cable 33738		33736
33736		Child cuff - 35x11 cm - need ext. cable 33738		
33737		Kit of 3 neonatal cuffs - needs cable 33738		
32810		Mini cuff 16x5 cm - needs 33738+33739	32810	32811
32811		Mini cuff 23x5 cm - needs 33738+33739		
33739		Metal connector (necessary for mini cuff)		
33740		Temperature sensor exacon 2.75 m, skin type	33740	33741
33741	Paper Battery	Temperature rectal sensor		
33743		Thermal paper 57.5 mm, 38 Ø		
33742		Battery - up to January 2006 - B3, B3 Plus		
33715		Battery - Since January 2006 - B3, B3 Plus		
33717		New battery - Since Sept. 2007 - B3 Plus, B5		
33747		AC adapter		
33744		Direct vehicle cigar jack (12 V dc)		

* Necessary for all probes. Please select correct one

SpO₂ plethysmo Monitor

Long battery life:
4 hours (20 hours for full charging)

Auto gain control for fast response
and accurate measurements



Nellcor compatible output
for SpO₂ probes

LCD display: 240 x 64 mm

Handle
for transport

**Code 34281 BPM-200 PULSE OXIMETER
with monitor, printer output and installed battery**

The portable BPM-200 is an electronic pulse oximeter for measuring oxygen saturation of arterial blood and pulse rate of patient. Plethysmographic waveform display up to 12 hours of patient trends. Finger adult probe is included.

Technical specifications

Power supply: 100-240 V, 50/60 Hz

Battery pack: lead acid battery pack (12 Volt)

Range: saturation 35-100%

pulse rate: 30-250 bpm

Output: RS-232C port, output for SpO₂ and pulse rate

Size: 75 x 225 x 175 mm - 3.5 kg

Made in Korea

User manual (English, Italian)

CE 0123

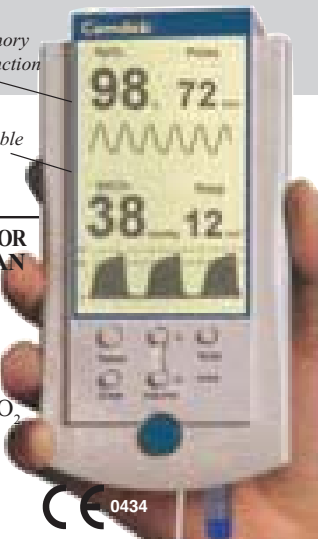
Code 34287 BATTERY FOR BPM-200

Code 34283 SpO₂ FINGER-PROBE - adult or child over 15 kg

EtCO₂+SpO₂

72 hours memory
with trend function

Built-in
rechargeable
battery



PORTABLE OXI-CAPNOGRAPHY MONITOR
Code 33702 OXY CAPNOGR. HUMAN
Code 33703 OXY CAPNOGR. VET

Portable multifunctional Capnography monitor providing SpO₂, pulse, EtCO₂, Respiration with accuracy and reliable performance. Light and large LCD display providing graphical SpO₂, EtCO₂, and Trend function all in one design. Through optional software link to PC via USB. Supplied with adult sensor, AC adapter, sampling tube, filter cartridge, carry bag.

Technical specifications

	Range	Accuracy
SpO ₂ Saturation :	0% to 100%	±2% between 100% to 80%
Pulse Rate :	30 bpm to 250 bpm	±1% of full scale
	Range	Average
EtCO ₂ :	0 mmHg to 50 mmHg	4 breaths of EtCO ₂
Respiration:	0 l/min to 99 l/min	8 breaths of respiration rate

Default Alarm Settings:

SpO ₂ upper limit: 100%	SpO ₂ lower limit: 85%
Pulse rate upper limit: 150 bpm	Pulse rate lower limit: 30 bpm
EtCO ₂ upper limit: 50 mmHg	EtCO ₂ lower limit: 0 mmHg
Resp upper limit: 99 l/min	Resp lower limit: 0 l/min

Power 4 AA batteries 6 volts or AC/DC adapter

Code 33705 FILTER+AIRWAY+ADAPTOR - box of 10

Code 33706 SAMPLING TUBE 1.2 m - box of 20

Code 33704 PC SMART LINK SOFTWARE - optional

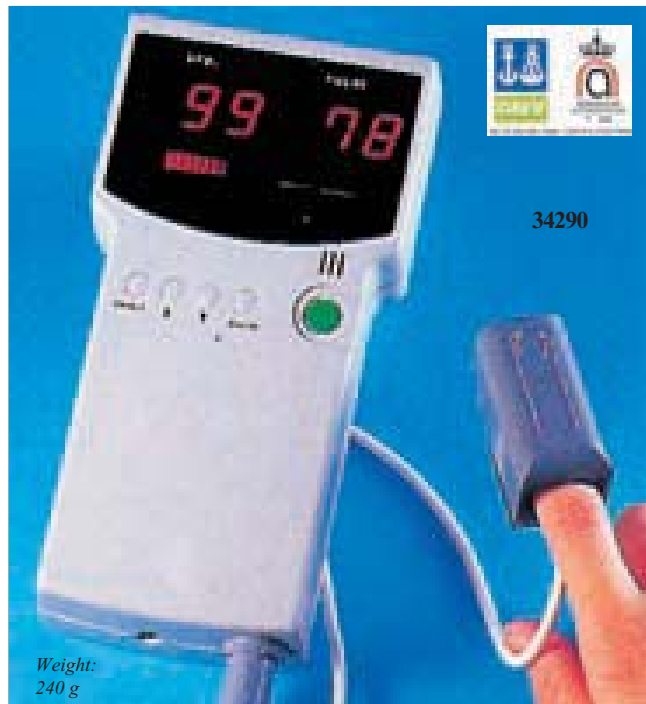
For analysis of patient data, statistics of SpO₂/Pulse distribution

Sensors compatible with BCI, Nellcor, Comdek, Biosys

Sensor Picture	Socket Picture	GIMA code	Description	Recommended use	Patient range	Preferred application	Cable length	Min. order	To be used with GIMA codes	Compatible with
		34296	Infant probe	disposable	under 3 kg	hand or foot	55 cm	box of 10 pcs.	34286, 34290, 34291, 33702 (need extension cable 34299)	BCI - Comdek
		34297	Child probe	disposable	3-15 kg	finger or toe	55 cm	box of 10 pcs.	34286, 34290, 34291, 33702 (need extension cable 34299)	BCI - Comdek
		34298	Pediatric probe	disposable	15-45 kg	finger or toe	55 cm	box of 10 pcs.	34286, 34290, 34291, 33702 (need extension cable 34299)	BCI - Comdek
		34300	Adult probe	disposable	over 40 kg	finger or toe	55 cm	box of 10 pcs.	34286, 34290, 34291, 33702 (need extension cable 34299)	BCI - Comdek
		34292	Adult probe	reusable	over 40 kg	finger	145 cm	1 pc.	34286, 34290, 34291, 33702	Comdek
		34294	Child probe	reusable	3-15 kg	toe	40 cm	1 pc.	34286, 34290, 34291, 33702 (need extension cable 34299)	BCI - Comdek
		34293	Adult probe	reusable	over 40 kg	ear	120 cm	1 pc.	34286, 34290, 34291, 33702 (need extension cable 34299)	BCI - Comdek
		34299	Extension cable	Comdek-Bci	-	-	150 cm	1 pc.	34286, 34290, 34291, 33702 34293, 34294	BCI - Comdek
		34288	Extension cable	Nellcor-Nellcor	-	-	150 cm	1 pc.		Nellcor-Biosys
		34283	Adult probe	reusable	over 40 kg	finger		1 pc.	34281, 33290, 33291	Nellcor-Biosys
		33288	Adult probe	reusable	over 40 kg	finger		1 pc.	33280, 33281	Biosys (BPM-300 only)
		33708	Vet Probe	reusable	VET	tongue	145 cm	1 pc.	33703	BCI-Comdek

Size
65x133x30 cm

Portable Pulse Oximeters



Weight:
240 g

Code 34290 MD-600 PULSE OXIMETER with alarms
Code 34291 MD-630 PLUS PULSE OXIMETER
with alarms, printer and PC connection (USB)

Small, light-weight pulse oximeters with high accuracy and reliable performances:

- adjustable SpO₂ and pulse alarm settings
- quick assessment of oxygen saturation and pulse rate
- hand-held unit, easy to operate
- with SpO₂ and pulse rate display

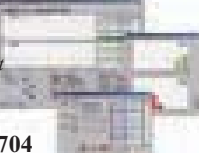
Code 34295 THERMAL PAPER - for code 34291

Code 33704 PC-SMART LINK SOFTWARE - for code 34291

Standard accessories (codes 34290-34291)

- 1 AC/DC Adaptor (only 34290-91)
- 4 AA Batteries
- 1 Carrying bag
- 1 SpO₂ standard sensor
- 1 User manual (English, Italian, French, Spanish)

Easy
analysis
of patient
data and
statistics



33704

CE 0434

With 24 hours
memory

USB Output
port for
PC data
download

Time SpO₂ Pulse



24/36 Hours Memory

Built-in thermal printer

**100 Records of
recall memory**

USB port

34291

Code 34291 with built-in thermal printer allows immediate data printing. Moreover it provides 36 hours memory (with interval of 6 seconds) or 24 hours (with interval of 4 seconds) with possibility to recall up to 100 records (print out the last records up to 240 seconds). Tone function and adjustable volume. Safe, fast and convenient it becomes the essential and most important equipment in first aid, ICU and anesthesiology system.

Technical specifications (codes 34290-34291)

Oxygen saturation range: 0% to 100%
Pulse rate range: 30bpm to 250bpm
Display: oxygen saturation, pulse rate, a pulse search indicator, low battery indicator
SpO₂ accuracy: +/- 2% between 100% to 80%
+/- 3% between 79% to 65%
below 65% not specified
Pulse accuracy: +/- 1% of full scale
Range alarm setting: SpO₂ upper limit: 100%
SpO₂ lower limit: 85%
pulse rate upper limit 150 bpm
pulse rate lower limit 30 bpm
Power requirements: DC 6 volts by 4 alkaline AA size batteries
AC adaptor output DC 6 Volts, 600 mA
Dimensions: 172x90x36 mm - 155x88x44 mm (34291)
Weight: 240 g - 300 g (34291)
Warranty: 1 year (SpO₂ sensor 6 months)

OXY-9 Handy Pulse Oximeter

Code 34280 OXY-9 PULSE OXYMETER - human
Code 34267 OXY-9 PULSE OXYMETER - veterinary(*)

Compact pulse-oxymeter with alarms and **rechargeable battery** easy to use and move. Since it is charged during operation, users can use it for a long time.

Alarm sound in case of exceeding setting limits.

- real time SpO₂% and Heart Rate (BPM)
- one touch operation and icons for easy operation
- max/min setup (SpO₂/BPM)

- 3AA rechargeable battery for over 10 hours

Supplied with SpO₂ standard reusable sensor, extension cable, rail clamp, rechargeable battery and recharge transformer.

Code 33730 ADULT REUSABLE FINGER PROBE - spare

Code 34268 RECHARGEABLE BATTERY

Code 34269 EXTENSION CABLE

Other probes available at page 141 (see codes 33731/2, 33755/6/7)



Size
65x133x30 cm

CE 0123



Technical specifications

Oxygen saturation range: 40% to 99%
Accuracy (%SpO₂): ± 2% between 100% to 80%
Pulse rate range: 30 bpm to 300 bpm
Accuracy (pulse): ± 1 bpm of full scale
Ac adaptor: input 100-240V, 50-60 Hz, 1.2A
output +12V, 3.5A
Battery: 3AA NiMH, rechargeable
Battery life: approx 12 hours after 8 hours recharge

(*) Lingual type sensor used to "tongue". Sensor is suitable for medium size tongues (cat, dog, small horse...)

Palm Pulse Oximeter



Code 34289 PALM PULSE OXIMETER

A new clever palm-sized pulse oximeter to meet your needs. Small and compact, with ergonomic design, is easy carried for spot-checking and short-term monitoring. It presents an optimal performance with easy operation. Furthermore, the clear LED digital display brings you an outstanding observation.

Fast: Catch SpO₂ & Pulse rate requires only 6 seconds

Smart: Audible sound assists users to detect patients' status

Accurate: Accuracy +/- 1% between 100% to 80%

Convenient: Compact pocket size easier for measurement

Technical specifications

Oxygen saturation range: 0% to 100%
Pulse rate range: 30bpm to 250bpm
Display: oxygen saturation, pulse rate, low battery indicator
SpO₂ accuracy: +/- 1% between 100% to 80%
Pulse accuracy: +/- 1% of full scale

OXY-5 Fingertip Oximeter



Available with
your logo
minimum 100 pcs.

Code 34282 OXY-5 FINGERTIP OXIMETER

Can monitor pulse oxygen saturation and pulse rate through patient's finger (adult/child over 5 years). Small, light, easy to use it is ideal in hospital, medical center, home, before and after sport.

- Lower voltage alarm display
- Easy to use with one-key operation
- High accuracy and repetition
- Automatic power-off in 8 seconds (if finger not in)
- SpO₂ and pulse monitoring, and histogram of pulse display.
- Two AAA batteries with low power consumption allow 100 hours continuous working time
- 8 language manual (English, French, Italian, German, Spanish, Greek, Portuguese, Arab)

Technical specifications

Oxygen saturation range: 50% to 99%
Pulse rate range: 30 bpm to 240 bpm
LCD Display: oxygen saturation, pulse rate, low battery indicator
SpO₂ accuracy: ± 2% between 99% to 80%
Pulse accuracy: ± 2 bpm
Class I, Type B, IEC 60601-1, 60601-1-2, ISO 9019, ISO 21647

OXY-6 Fingertip Oxymeter with Alarms



Code 34285 OXY-6 COLOUR FINGERTIP OXIMETER

Similar to oxy-5 but with improved features:

- colour high quality OLED display
- SpO₂, pulse rate and P.I. (perfusion index)
- histogram of pulse rate
- waveform of SpO₂ display
- audible and visual alarm (SpO₂ and pulse rate)
- display direction adjustable
- high accuracy and repetibility
- automatic power ON when finger is in, and power OFF in 8 seconds when finger is out.

Technical specifications

	RANGE	ACCURACY	RESOLUTION
Pulse rate:	25-250 bpm	± 2 bpm (2%)	1bpm
SpO ₂ :	35%-99%	2% (75-99%) 3% (50-75%)	1%
Perfusion Index:	0-25%	± 0.1% (0-20%) ± 0.2% (20-25%)	0-1%
Alarm: SpO ₂ : low limit ≤ 90% Pulse rate: low: < 50 bpm - high > 120 bpm			
Power: 1.5V (AAA size) alkaline battery x 2			
Norms: IEC 60601-1-2 Class B – Typs BF			

Rescue GIMA 230 Biphasic defibrillator with printer

Code 33447 RESCUE 230 BIPHASIC DEFIBRILLATOR - 220V

Code 33457 RESCUE 230 BIPHASIC DEFIBRILLATOR

WITH PACEMAKER (rectangular pulse, pulse duration 22 msec, pulse max amplitude 150V, stimulation frequency 30 to 150 BPM)

Code 33448 DISPOSABLE PADDLES - box of 2

Code 33449 CABLE FOR DISPOSABLE PADDLES

Code 33439 SpO₂ PROBE **Code 33250 THERMAL PAPER**

- BTE (biphasic truncated exponential) discharge type
- Impedance compensated energy delivery
- Energy selection from 10 to 230 Joule directly from the front panel
- Charge time 5 sec for 230 Joule with fully charged battery
- 100 shocks of 230 J with fully charged batteries
- Charge/discharge control from the paddles
- Ecg 'R' wave synchro mode or async mode
- Large (5.7") high resolution backlite LCD display (320x240 dots)
- ECG through the paddles or through patient cable

Technical specifications

Display:

- Large (5.7") high resolution backlite LCD display (320x240 dots)
- ECG through the discharge paddles (1 trace) or through 4 leads patient cable (6 traces): I, II, III, aVR, aVL, aVF.
- Automatic change over when plugging the patient cable
- Filters: 50 Hz/60 Hz, base line, low pass
- Heart rate indicator

Printer:

- Integrated thermal printer for ECG traces and events documentation hardcopy
- Paper speed 5, 10, 25 and 50 mm/sec. (paper width 58 mm)

Safety:

- Two hand safety shock release
- Ecg input isolation CF class
- Internal discharge after 30 sec. of standby after charge

Power supply: internal Ni-Cd high capacity batteries (charging time 95%: 2 hours)
universal mains adaptor charger 110/220 VAC, 50/60 Hz

Dimensions: 34 x 26 x 13 cm Weight: 5.5 kg Made in Italy



Battery charging car plug
on request

Pediatric
pads
on request

Optional paddles
for monitoring

33447

33448

Standard accessories

Internal Ni-Cd high capacity battery	Printer
Carrying case	1 paper roll
Patient cable 4 leads	2 reusable paddles
Manual (English, Italian)	Mains adaptor charger

DEFI-B Battery and DEFI-N mains operated Defibrillators



33380

*In emergency situation
the well structured and
logical operator
guidance may save a life*



*Suitable for adult and
children (reference
norms ERC 2005 use
of joule depending on
Kgs).*

PRIMEDIC DEFI-B is a mains-independent version and has proved successful in daily use in ambulances, with cardio sport groups and in hospitals. DEFI-N is a mains operated version. The convincing advantages: PRIMEDIC DEFI-B and DEFI-N are quickly ready to use, DEFI-B not mains dependent due to large accumulator capacity. After switching on the defibrillators, an internal self-test with error diagnosis is carried out automatically. Pictograms and a clear program run, to ensure functional handling. A shock-resistant plastic casing protects the device, especially in hard conditions.

Code 33381 SPARE BATTERY

Technical specifications

Mode: Asynchronous, external defibrillator
Energy step: 20, 50, 100, 160, 250, 360 Joule
Discharges: 45 shocks with 360 Joule,
(10 reserve after signal "battery low")
Charging time:
2 sec (33380-2) and 4 sec (33383) up to 100 Joule,
4.5 sec (33380-2) and 7.6 sec (33383) up to 360 Joule
Paddles for children integrated
Accumulator: 14.4V/1.4 Ah (33380-2 only)
Charging time: 3.5 hours (33380-2 only)
Safety: Internal discharge of energy after 15 sec.
Internal self-testing and fault recognition
Protection class II, type BF
Mains voltage: 200-240 V 50/60 Hz or 110 V
Dimensions: 40 x 48 x 12 cm (W x D x H)
Weight: 8.5 kg
Made in Germany



*Compact and handy: PRIMEDIC DEFI-B is easily
transportable and immediately ready to use everywhere*

Code 33380 DEFI-B DEFIBRILLATOR - 220V

Code 33382 DEFI-B DEFIBRILLATOR - 110V

Code 33383 DEFI-N DEFIBRILLATOR - 220V

The mobile security: PRIMEDIC DEFI-B and DEFI-N are a state-of-the-art accumulator-driven defibrillators. They were designed in accordance with strict requirements of emergency medical science. Fully developed and reliable technique, world-wide in use for years.

Automatic* External Defibrillators with ECG

EXTERNAL DEFIBRILLATOR - AED

The convincing feature of the new PRIMEDIC™ HeartSave is its easy, safe and speedy operation.

With the new biphasic "Current Controlled Defibrillation" pulse, we are setting new standards in defibrillation technology.

The device performs an automatic ECG analysis within 12 seconds and decides whether a defibrillation is necessary.

Then a touch of a button is enough to trigger the life-saving electric pulse that eliminates the ventricular fibrillation.

Thus valuable seconds and minutes are used to save life.

A range of 4 models available: use for patients >8 years or >25 kg

HEART SAVE AED

Automatic external defibrillator with integrated one-channel ECG, acoustic and optical user guidance and data backup.

HEART SAVE AED-M with monitor

Automatic external defibrillator incl. monitor for indication of operation duration, ECG, heart rate, identified VF/VT.

HEART SAVE 6 with monitor (cardio version)

Same as AED-M with 6-channel ECG leads

HEART SAVE 6S with monitor (cardio version)

Same as SAVE 6 with addition of SpO₂ measurement

Standard accessories

Lithium Battery (110 shocks) or rechargeable battery with charger

SpO₂ probe (SAVE 6S only)

ECG cable 3 leads (SAVE 6 and SAVE 6S only)

Save pads

Briefing protocol

Manual

High resolution LCD monitor gives important information for resuscitation

33385

Connection socket for save pads and ECG cable

CE 0123

Menu button

AHA/ERC guidelines
2005 conformity

IP55 water-class-protected

Trigger button for real single-button operation.
You can save a life with only one button.

Status display

Main features:

- One-button operation
- Intuitive and easily handling
- Status indicator
- Can be operated either from Lithium-Battery or NiCd Akupak
- No energy selection required
- Charging time < 10 sec.
- 3-shock cycle < 60 sec.
- SaveCard, at least 60 minutes, for internal ECG and voice recording
- Regular self-test
- Dim. approx. 26x26x8,5 cm, weight approx. 2 kg
- Made in Germany

Cardiological emergencies require practice and, most of all, promptness. With the automatic start when removing the lid, we set further standards with regard to promptness.



External defibrillator	Voice version and manual			
With lithium battery - 110 discharges	English Italian Spanish	Greek Portuguese	French* German	Other languages**
HEART SAVE AED	33384	33391	33392	33394
HEART SAVE AED-M with monitor	33385	33396	33397	33399
With Akupak rechargeable battery and PowerPak charging unit				
HEART SAVE AED	33420	-	-	33426
HEART SAVE AED-M with monitor	33440	-	-	33446
HEART SAVE 6 with monitor	33450	33452	33453	33456
HEART SAVE 6S with monitor	33460	33462	33463	33466
** We can provide other following languages: Russian, Chinese, Iranian, Dutch, Turkish, Czech, Polish, Danish, Swedish, Finnish, Norwegian, Azerbaijani, Brazilian, Hungarian, Thai, Japanese, Israeli, Lithuanian. Please specify with order. * Available in 20 days				
ACCESSORIES				
LITHIUM BATTERY - not rechargeable	33387	33387	33387	33387
Akupak Rechargeable battery	33400	33400	33400	33400
PowerPak Battery charger for code 33400	33407	33407	33407	33407
SAVE PADS (self-adhesive electrode, including 2 pole cable, razor and gloves)	33388	33386	33386	33386

Technical specifications

		AED	AED-M	6	6S			AED	AED-M	6	6S
Defibrillation						LCD Monitor					
Wave:	biphasic, current controlled pulse	•	•	•	•	95 x 72 mm (diagonal 4.7"/120 mm)			•	•	•
Energy	140-360 j	•	•	•	•	320 x 240 (pixel size 0,36 x 0,36 mm)			•	•	•
Charging time:	< 12 sec	•	•	•	•	Storage battery status display			•	•	•
Operating modes:	asynchronous	•	•	•	•	Speed 25 mm/s			•	•	•
ECG						Heart rate, number of defibrillation, number of VF/VT, total resuscitation time			•	•	•
Lead:	II	•	•			Electrodes					
	I, II, III, aVr, aVf, aVI			•	•	Non polarized electrodes, 2 years storage		•	•	•	•
Patient's impedance range:	20-200 Ohm	•	•	•	•	Cable length 1,5 m		•	•	•	•
Heart rate:	30-300 per min	•	•	•	•	Data backup					
VF:VT Detection						Internal memory 8 MB backup		•	•	•	•
VF/VT Detection		•	•	•	•	Removable memory 128 MB		•	•	•	•
Manual override		•	•	•	•	Voice recording		•	•	•	•
Analysis time	6-12 sec	•	•	•	•	Power supply					
VF threshold	0,2 mV	•	•	•	•	Lithium battery or Rechargeable (Power pack 90-260 V, 50/60 Hz)		•	•	•	•
Asystole threshold	<0,2mV	•	•	•	•	Battery:					
Artefact-Pacemaker detection		•	•	•	•	Type	Lithium or Rechargeable	•	•	•	•
Pulse Oxymeter						LiMnO ₂	NiCd	•	•	•	•
Nellcor						Battery storage	5 Years	•	•	•	•
						Discharges	110	•	•	•	•
						Monitoring	11 h	•	•	•	•
						Voltage	16 V	•	•	•	•
							10,6 V	•	•	•	•

* For European legislation "Automatic Defibrillator" are those with automatic ECG detection. "Automatic" is consequently referred to ECG only while defibrillator is manual.

I-PAD Semi-Automatic Defibrillator

The i-PAD NF 1200 is a semi-automatic external defibrillator designed for minimally trained individuals. It provides simple and direct voice prompts and indications for a straightforward rescue operation. It is lightweight and battery powered for maximum portability. It is designed to treat Ventricular Fibrillation (VF) and Fast Ventricular Tachycardia. These two are the most common causes of sudden cardiac arrest (SCA). In SCA, the heart of the victim suddenly stops pumping. The only effective treatment for VF is the application of a defibrillating shock. It may be used on children over 8 years old. Supplied with a set of pads, lithium battery (120 Shocks or 4 hours operating time), manual.

I-PAD semi automatic defibrillator	Voice version and manual					
	Spanish	French	Portuguese	Italian	English	Other languages*
	33408	33409	33413	33414	33416	33417
GIMA code	Accessories for I-PAD					
33418	Battery pack					
33448	Disposable pads - kit of 2 pcs					
33422	Carrying bag					
33423	Wall cabinet					
33424	I-PAD simulator - for cardiac rescue simulations during training					

Technical specifications

Operating mode: Semi-automatic.
Waveform: e-cube biphasic (Truncated exponential type); impedance compensated.
Energy: 200J fixed.
Adult: nominal 150 J into a 50 ohm load.
Infant/child: nominal 50 joules into a 50 ohm load.
Shock energy accuracy: Within $\pm 3\%$ (200J into 50 Ω).
Shock to shock cycle time: Typically less than 20 seconds.
Protocol: Voice prompts and indicators guide through protocol.
Charge control: Automatic by Software (Arrhythmia Detection System and Charging Control).

Charge time from "Shock advised": < 10 seconds, typical.
Voice instruction: Voice messages guide through use of defibrillator.
Controls: Shock Button, i-Button, On/Off Button.
Indicators: 7 LEDs (different colors), i-Button.
Patient isolation: Type BF.
Battery: 12 Volt DC, 4.2 Ah, lithium manganese dioxide, disposable long-life primary cell.
Min. 120 Shocks or 4 hours of operating time.
Data recording: Data Stored: First 40 minutes of ECG and the entire incident's events and analysis decision.
Size - Weight: 220x281x82 mm - 2.2 kg (4.84 lbs) with battery pack



CE 0470

CE 0434

Specially designed for public usage

AMBU Training Manikins



Code 34040 AMBU® CPR PAL

The Ambu CPR Pal is a low-priced, simple, yet effective, training manikin ideal for ACD CPR. The Ambu patented hygienic system protects the student and makes internal cleaning entirely unnecessary and the look-listen-feel concept aids knowledge retention. The airways open when the head is correctly hyper-extended. Stomach inflation is indicated by a whistling sound. Jaw thrust possible. Lightweight and sturdy, hence it can be easily transported.

It is supplied in a soft carrying bag with 5 mouth/nose pieces, 50 disposable head bags.

Totale manikin length 73 cm, weight 2.7 kg

Code 34041 HEAD BAG - box of 100 pcs



Weight: 17 Kg



Size: 80x35 cm
Weight: 14 Kg

Code 34044 AMBU MAN - model C

Torso with hooks for arms with monitoring instrument.

Code 34045 AMBU MAN - model CF

Full body with monitoring instrument

The Ambu Man is an adult-sized training manikin that provides an exceptionally lifelike representation of the human anatomy, particularly those features important to training in modern resuscitation techniques.

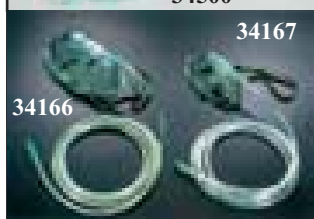
Ambu Man features

- Ambu's unique hygienic system protects the students from cross-infection, makes internal cleaning entirely unnecessary and facilitates the look-listen-feel concept
- The stiffness of the chest is infinitely variable, allowing students to train on different body builds
- Airways open only when head is correctly hyperextended - jaw thrust possible
- A carotid pulse can be activated manually by the instructor
- The mechanical monitoring instrument gives you instant feedback on ventilation volume, stomach inflation, chest compression depth in mm and wrong hand position
- PC connection is possible, with Ambu CPR Software Kit. Supplied with 100 head bags, 5 face pieces and carrying bag.

Code 34047 HEAD BAG - box of 100 pcs

Code 34048 AMBU CPR SOFTWARE KIT (5 selectable languages)

Oxygen Cylinders: 0.5, 2, 3, 5, 7 and 10 litres



Oxygen therapy masks are produced with non toxic material, complete with adjustable elastic clip for nose and connecting tube



CYLINDERS FOR OXYGEN THERAPY (empty)

Ready for use available in five sizes: 0.5, 2, 3, 5 and 7 l.

Steel cylinders for therapeutic oxygen at 200 bar pressure, with valve and safety lock.

These cylinders are ideal for home and hospital therapeutic use, particularly in case of desultory oxygen supply.

Supplied in a robust plastic bag (5 and 7 l) or soft bag (2 and 3 l) with cover. Oxygen cylinders are provided with a pressure reducer with two-stage release valve (0-12 l/min) and high pressure manometer to indicate oxygen quantity in the cylinder (Code 34510/34511) and face mask (excluding 34500/34520).

GIMA code		Oxygen cylinders with integrated pressure reducer				
UNI	NF	Litres	Flow	Size	Weight kg	
34500	34520*	0.5	fixed 6 l	Ø60x400mm	2.75	-
34502	34522*	2	0/12 l	Ø110x410mm	4.5	with soft bag + cover
34503	34523*	3	0/12 l	Ø110x530mm	5.5	with soft bag + cover
34505	34525*	5	0/12 l	Ø140x550mm	9	with plastic bag + cover
34507	34527*	7	0/12 l	Ø140x680mm	11	with plastic bag + cover

GIMA code		Pressure reducers				
34510	34530*	Integrated pressure reducer with valve for 2/3 litres				
34511	34531*	Integrated pressure reducer with valve for 5/7 litres				
34539		Cover protection for cylinders 2/3/5/7 litres				
GIMA code		Oxygen therapy masks				
34166		Oxygen therapy mask - adult - with tube				
34167		Oxygen therapy mask - paediatric - with tube				
34168		HI-Oxygen therapy mask - adult - with tube				
34169		HI-Oxygen therapy mask - paediatric - with tube				
34276		Disposable oxy tube - 2m				
34172		Oxy glasses - nasal cannulas				

GENERAL PURPOSE CYLINDERS (empty)

Supplied with valve. Ideal for apparatus, anaesthesia can be used with pressure reducer code 34540-34541 or other standards.



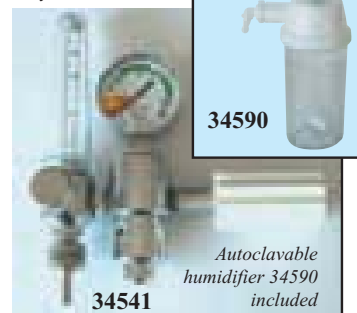
GIMA code					Oxygen Cylinder with valve and accessories
UNI	NF BULL NOSE	DIN	BRITISH STANDARD	PIN INDEX	
34545	34555*	34565*	34575*	34585*	Oxygen Cylinder 5 l. with valve - Ø 140 x 550 mm
34548	34558*	34568*	34578*	34588*	Oxygen Cylinder 10 l. with valve - Ø 140 x 900 mm
34540	34550*	34560*	34570*	34580*	Pressure reducer
34541	34551*	34561*	34571*	34581*	Pressure reducer complete with flow meter and humidifier
34590	34590	34590	34590	34590	Humidifier autoclavable

* Products not in stock, available in 15 days

34545

34511 + 34539

34511



Code 34541 PRESSURE REDUCER - WITH FLOWMETER AND HUMIDIFIER

34178

Pressure reducer with release valve and H.P. manometer with adjustable ball flowmeter 0-15 l/min and autoclavable humidifier apparatus to be connected with cylinder valve.

Code 34540 PRESSURE REDUCER

Same as code 34541, with adjustable flow 0-15 l/m in 9 steps (1/1.5/2/3/4/6/9/12/15), LP* port, without flowmeter and humidifier.

Code 34177 TROLLEY FOR OXYGEN CYLINDER - 5 l - 7 l

Code 34178 TROLLEY FOR OXYGEN CYLINDER - 10 l

* Low pressure port (for ventilators,...)

Electronic Ventilator 170

Code 34030 ELECTRONIC VENTILATOR

Automatic ventilator designed for: first aid, ambulances, inter and intra-hospital transfer of critically ill patients.

It is a time cycled, pressure limited, electronically controlled ventilator with an intermittent flow pneumatic unit.

It provides stable tidal volume and respiratory rate. The wide range of volume and respiratory rates make it suitable for both children and adults. It is equipped with a newly conceived mixer which allows a stable separation between oxygen and ambient air regardless of the ventilation rate and respiratory pressure. An additional valve allows the patient to breathe ambient air when the unit is not operating.

The patient circuit is provided with a low resistant valve, it is autoclavable and easy to use; the non-rebreathing valve is equipped with a special pressure reducing device that makes it suitable for both children and adults.

Compact, light-weight, easy to regulate thanks to a clear interface, provided with alarms it has no parts in motion: thus it allows patient safety even if used by personnel with limited training. Made in Italy.

Code 34035 CORRUGATED TUBE

Code 34036 PATIENT CIRCUIT (valve+corrugated tube)

Code 34037 BATTERY

Standard accessories

Patient circuit (corrugated tubing with non re-breath valve)	
Power cable	Adult face-mask
Oxygen tube	Battery
Manual: English, Italian, French	UNI adaptor



Technical specifications

Drive	Electronic
Mode (visual sign)	5-30 BPM
Flow	2 to 20 l/min
I/E Ratio	1:2
Oxygen concentration	60%-100% Patented system
Mechanical overpressure relief	15-60 cm H ₂ O - adjustable
Medical gas supply	3,5 bar ± 0,5
Battery operation	Approx. 100 min.
Audible and visual alarms	Low battery - gas supply
Other indications displayed	Medical gas supply
Alarm reset	30 sec.
Manometer	-20 +70 cm H ₂ O
Sensor	Switch
External/Internal source	12 V DC
Dimensions	295x155x145 mm
Weight	4,3 kg.

Automatic Ventilator 118

Code 34032 AUTOMATIC VENTILATOR 118

Versatile, simple and economical, it is a ventilator with pneumatic logics control. Its intrinsic properties and its small dimensions make it suitable for any emergency situation: first aid, ambulance, patient transport.

It is a time cycled constant volume ventilator, with

- infinitely adjustable respiratory frequency (from 10 to 40 breaths per minute)
- infinitely adjustable minute volume (from 3 to 24 l/min)
- Oxygen concentration selectable by means of a single action switch between 100% and 55% without change of minute volume
- low gas consumption
- airway pressure gauge
- no electrical supply, the operation is ensured.
- with only one fluid source.

The non-rebreathing valve is equipped with a special pressure reducing device that makes it adjustable for both adults and children. Small dimensions, sturdy, light-weight, ideal for rescue everywhere and in every circumstance. Made in Italy

Code 34035 CORRUGATED TUBE

Code 34036 PATIENT CIRCUIT (valve+corrugated tube)

Standard accessories

Patient circuit (corrugated tubing with non re-breath valve)	
Adult face-mask	
Oxygen tube - UNI adaptor	
Manual: English, Italian	



Technical specifications

Operating mode	Flow chopper
Control	Volume-time cycle
Respiration frequency	10 to 35 min ⁻¹ ±20%, infinitely adjustable
Inspiratory-expiratory phase time I:E	1/1.7 ±10%
Minute volume (MV)	2 to 18 l/min ±15%, infinitely adjustable
O ₂ conc. of breath. gas when driven by O ₂ :	
Switch set to "Air Mix"	55% O ₂ - 80% O ₂
Switch set to "No Air Mix"	100% O ₂
Safety valve	50 mbar ±10% mechanical overpr. relief
Airway pressure display	Press. gauge -20 to +70 mbar ±2.5% full scale
Drive gas	O ₂ or air
Pressure at inlet of unit	Min. 2.5 to 6 bar at flow of 60l/min
Gas consumption	approx. 1.3 l/min
Pneumatic main switch	I-O
Dead-space volume	approx. 12 ml.
Dimensions	85x210x225 mm.
Weight	2.1 kg.
Ambient pressure	600 to 1200 mbar
Case	Polyethylene high density ABS

AMBU® Mark III and IV Resuscitators





Code 34200 AMBU® MARK IV RESUSCITATOR - adult
Designed in accordance with the original double wall principle, the new 100% latex-free Ambu bags are more robust and provide users with exceptional visual and tactile lung condition feedback during manual resuscitation, making operation safer and more secure. Built-in pressure limitation prevents compression if there is any resistance in the patient's airways. Suitable for adults and children over 15 Kg (3 years). Supplied with face mask N°5 and single shutter valve. Autoclavable at 134°C. Maximum volume 1300 ml.

Code 34204 AMBU® MARK IV RESUSCITATOR - baby
Same as 34200, but suitable for neonates, infants and children up to 20 kg (approx 4-5 years). Supplied with face mask N°0A and oxygen reservoir tube 250 mm. Maximum volume 300 ml.

Code 34217 AMBU MARK® IV RESUSCITATOR - adult with kit bag
Same as code 34200, supplied with helicoidal mouth-wedge, tongue holding forceps, 3 Guedel airways (small, medium and large) and oxygen tube, all fitted in a resistant nylon bag.



Boys - 2 **Adults-4** **Adults large - 5**

CE 0301

Prematures - 0A **Children - 0**

TRANSPARENT SILICONE AMBU FACE MASKS - Latex-free
The silicone face masks are self-inflating and the cuff pressure can be regulated for an easy and efficient seal. They are comfortable to grip and feature a thumb rest so rescuers can achieve a tight seal. Visual checks of bleeding, vomitus and spontaneous breathing can be made through the transparent dome. Autoclavable at 134°C

GIMA code	AMBU Transparent Latex-Free Face Masks and Reservoir
34210	Ambu Baby N° 0A - newborns/prematures - black*
34205	Ambu Baby N° 0 - newborns/children - blue
34206	Ambu N° 2 - boys - blue
34207	Ambu N° 3/4 - adults/small - blue
34208	Ambu N° 5 - adults - blue
34209	Ambu N° 6 - adults/large - blue
34215	Reservoir bag 1500 ml - adult

* Made in chloroprene



Gima Resuscitators - double chamber, with quality mask

GIMA RESUSCITATOR BAG - with double chamber
Highly professional resuscitator bag with an antistatic autoclavable and self expanding rubber internal bag and with extra soft external bag. Available in 2 models: adult and infant. All models are equipped with connections in accordance with EN 1281-1 directives for peep valve, intubation fitting, oxygen reservoir, oxygen intake and face masks. All equipped with removable and autoclavable valve. Made in Italy.

Code 34240 RESUSCITATOR BAG - adult
Supplied with facemask N° 4 - volume 1900 cc

Code 34241 RESUSCITATOR BAG - with kit bag
Same as 34240 supplied with helicoidal mouth-wedge, tongue holding forceps, 3 Guedel airways (small, medium and large) and oxygen tube, all fitted in a resistant nylon bag.



34240 *UNI fully compatible reusable and autoclavable valve* *Size: 330 x Ø 125 mm*
Capacity: 1900 cc

CE

Connection for PEEP valve
All connectors comply with EN 1281-1 directives



CE **34241**

Code 34242 RESUSCITATOR BAG - infant
Supplied with facemask N° 2 - volume 400 cc



CE **34242**

GIMA Resuscitators with Double Stage Valve



GIMA RESUSCITATOR BAG

Gima line of resuscitators has been re-designed. New materials have been used and each detail has been carefully conceived. The line offers 3 models of different size: adults, children, infants and an adult kit. All models are supplied with pressure relief valve and equipped with connector under EN 1281-1 directive for: peep valve, intubation fitting, reservoir, oxygen intake, face mask. Each resuscitator can be completely disassembled for cleaning and sterilization. Made in Italy.

Code 34230 RESUSCITATOR BAG - with mask N°4 - adult
With a special double stage valve at 54 m/bar. Volume 1800 cc.

Code 34233 RESUSCITATOR BAG - with mask N°3 child
With a special double stage valve at 54 m/bar. Volume 800 cc.

Code 34232 RESUSCITATOR BAG - with mask N°2 - infant/newborn
With a special double stage valve at 54 m/bar. Volume 400 cc.

Code 34231 RESUSCITATOR BAG - adult with kit bag
Same characteristic as code 34230.

It is supplied with helicoidal mouth-wedge, tongue holding forceps, 3 Guedel airways (small, medium and large) and oxygen tube, all fitted in a resistant nylon bag. Made in Italy.



Double side overpressure valve at 54 m/bar avoids inconvenients in case of a regurgitation due to the presence of food in the stomach of the patient

Size 330 x Ø120 mm
Capacity = 1800 cc



Silicone Transparent Autoclavable Resuscitators

SILICONE RESUSCITATORS - latex free

Transparent resuscitators made of silicone and polysulfone fully autoclavable at 134°C without limit.

Code 34244 SILICONE RESUSCITATOR KIT - adult

Supplied with silicone face mask N° 4, 60 cm H₂O pop-off valve, oxygen tube 2 metres, autoclavable reservoir valve and 2500 ml reservoir bag. Volume: 1600 ml.

Code 34245 SILICONE RESUSCITATOR - adult

Supplied with silicone face mask N° 4. Volume: 1600 ml.

Code 34246 SILICONE RESUSCITATOR - child

Supplied with silicone face mask N° 3 and 40 cm H₂O pop-off valve. Volume: 550 ml.

Code 34247 SILICONE RESUSCITATOR - infant

Supplied with silicone face mask N° 1 and 40 cm H₂O pop-off valve. Volume: 280 ml.

All resuscitators are LATEX FREE



CE 0197



Resuscitator Bags single-use, single patient - Latex Free

PVC RESUSCITATORS - single patient use

Disposable resuscitator bag with disposable mask. Complete with no return membrane valve and connection for PEEP valve.

PVC disposable, transparent mask shaped to allow a perfect adhesion to the patient's face. Latex free.

Code 34277 PVC RESUSCITATOR - adult

Supplied with single use mask N° 5. Volume: 1500 ml

Code 34248 PVC RESUSCITATOR - child

Supplied with single use mask N° 3 and 40 cm H₂O pop-off valve. Volume: 500 ml

Code 34249 PVC RESUSCITATOR - infant

Supplied with single use mask N° 1 and 40 cm H₂O

Pop-off valve - Volume: 280 ml



34277

GIMA Silicone autoclavable Facemasks and Accessories

GIMA AUTOCLAVABLE FACE MASKS

Made in silicone and polysulfone (sizes 3, 4, and 5) or all in silicone (sizes 0, 1 and 2) Completely transparent, allowing a total visibility. They can be used with any resuscitator and lung ventilator

GIMA PLUS AUTOCLAVABLE FACE MASKS - ANAESTHESIA MASKS

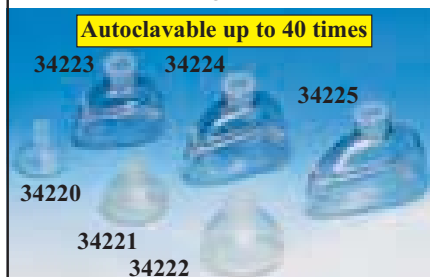
Provided with black silicone inflating cuff and unbreakable transparent polysulfone hood. They can be used with any resuscitator or lung ventilator.

Available in 4 sizes. Latex free.

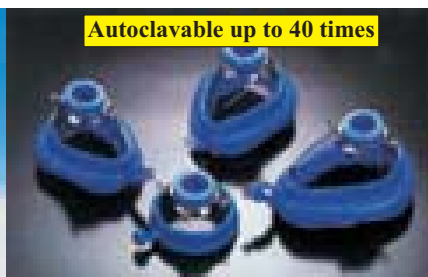
INJECTABLE AIR CUSHION FACE MASKS - ANAESTHESIA MASKS

Quality disposable single patient face masks provided of connector for air inflation and colour coded ring.

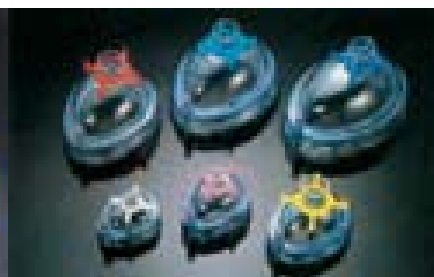
Single Patient



Autoclavable up to 40 times



Autoclavable up to 40 times



GIMA code	Silicone Face masks Latex free	GIMA code	Gima Plus face mask Latex free	GIMA code	Gima Single Patient face mask Latex free
34220	Facemask N° 0 - infant/small	34252	Face mask N°2 - child/small	34440	Facemask N° 0 - infant small
34221	Facemask N° 1 - infant/large	34253	Face mask N°3 - child/large	34441	Facemask N° 1 - infant large
34222	Facemask N° 2 - child/small	34254	Face mask N°4 - adult/small	34442	Facemask N° 2 - child small
34223	Facemask N° 3 - child/large	34255	Face mask N°5 - adult/large	34443	Facemask N° 3 - child large
34224	Facemask N° 4 - adults/small			34444	Facemask N° 4 - adult small
34225	Facemask N° 5 - adults/large			34445	Facemask N° 5 - adult large

High quality



GIMA code	Oxygen reservoir	To be used with GIMA codes
34275	OXYGEN RESERVOIR - 2500 ml - without valve	34244 - 34245 - 34277 - 34200 (need valve 34279), 34230 - 34240, AMBU, LAERDAL and TECNOGAZ resuscitators
34257	SINGLE USE OXYGEN RESERVOIR - 1500 ml - with valve	34246 - 34247 - 34267 - 34204 - 34232 - 34233 - 34242
24258	SINGLE USE OXYGEN RESERVOIR - 2500 ml - with valve	34244 - 34245 - 34277 - 34200 - 34230 - 34240
34279	RESERVOIR VALVE - autoclavable	34275
	Valves and accessories for resuscitators	To be used with GIMA codes
24259	NON-REBREATHING VALVE with 60 cm H ₂ O Pop-off - autoclavable	34244 - 34245 - 34277
34227	PEEP VALVE - 30 mm (5-20 cm H ₂ O)	34244 - 34245 - 34277 (need adaptor 34228) 34230 - 34240 - 34200
34228	PEEP VALVE ADAPTOR - internal Ø 22 mm, external Ø 30 mm	34227
34276	OXYGEN TUBE - 2 m	All resuscitators
34271	NYLON BAG	All resuscitators
34256	REAR VALVE (intake valve)	34244 - 34245 - 34246 - 34247

34256

Mask for mouth-to-mouth reanimation



34216

Code 34216 LIFEKEY MASK

Pocket mask for mouth-to-mouth reanimation.

Its special one-direction valve allows oxygen to flow straight to the patient and minimizes risks of cross-contamination. Single-use, sterile, made in atoxic transparent material, easy to use and carry. Suitable for adults and children.

minimum order: pack 10 pcs.

Ambu

34218
CPR MASK

CE 0197



Code 34218 CPR MASK - pocket resuscitator

The CPR pocket mask is a non-invasive, latex free mask with inflatable cuff and an integral non-rebreathing valve and efficient filter to prevent direct mouth contact with the patient's face when providing mouth-to-mouth resuscitation. It can be used on adult, child and infant. Supplied in a compact plastic box with a corrugated tube for an easier use.



34278
AIRWAY

Soft PVC contour for tight seal to any patient's face

Silicon 100% mask

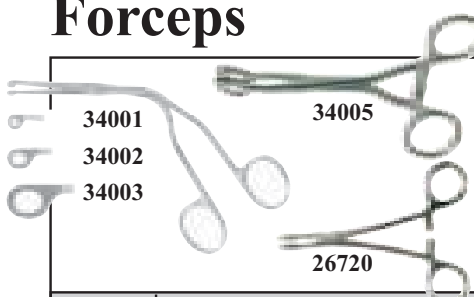
Easy and quick to use in any emergency

Code 34278 AIRWAY - for adult/children

Composed of a mouthpiece, a special one-way non re-breathing valve and a transparent cardiopulmonary resuscitation mask.

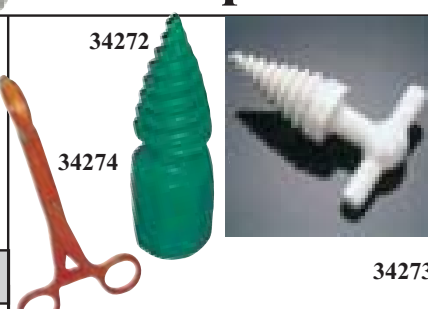
It protects the rescuer from the patient's exhaled gases, minimizing the risk of contamination. The special valve allows oxygen to flow freely in one direction straight to the patient, while the noxious vapors exhaled by the patient exit through the side port of the valve, ensuring maximum efficiency and hygiene. Mask's transparency allows the rescuer to detect any matter regurgitated by the patient.

Forceps



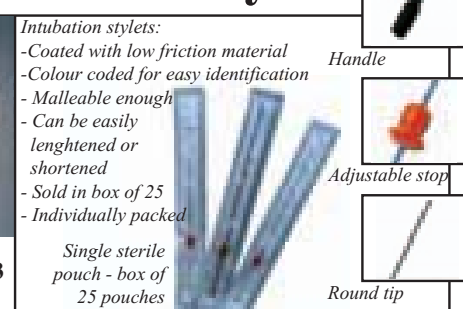
GIMA code	Stainless steel Forceps
34001	Magill Forceps - 15 cm
34002	Magill Forceps - 20 cm
34003	Magill Forceps - 25 cm
34005	Collin Forceps - 20 cm
26720	Pean Forceps - 16 cm
26710	Pean Forceps - 20 cm

Mouth openers



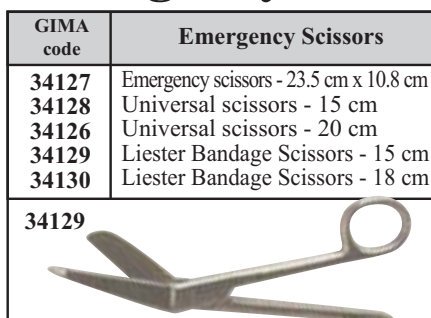
GIMA code	Plastic devices
34273	Teeth screw driver
34272	Helicoidal mouth - opener Pinocchio
34274	Tongue holding forceps

Sterile Stylets

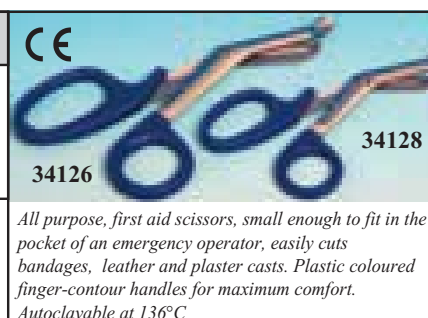


GIMA code	Size	Colour	Ø mm	Length mm
34397	infant	blue	2.0	306
34398	child	grey	2.6	425
34399	adult	green	3.3	465

Emergency Scissors



GIMA code	Emergency Scissors
34127	Emergency scissors - 23.5 cm x 10.8 cm
34128	Universal scissors - 15 cm
34126	Universal scissors - 20 cm
34129	Liester Bandage Scissors - 15 cm
34130	Liester Bandage Scissors - 18 cm



All purpose, first aid scissors, small enough to fit in the pocket of an emergency operator, easily cuts bandages, leather and plaster casts. Plastic coloured finger-contour handles for maximum comfort. Autoclavable at 136°C



Autoclavable Stainless steel AISI 420
Weight: 540 g.
34127
Supplied with transport bag
Made in Italy

Standard laryngoscope blades and sets



Great features of the unique GIMA blades

- Standard bulb gives cool bright illumination
- Light ergonomic, satin finish handle
- Stainless Steel contacts guarantee long working life
- Easy sterilization without removal of bulb
- Full range of McIntosh & Miller blades, latex free
- ISO 7376:2003 fittings allow use of blades with existing handles
- Set is packaged in an anti-shock case and in cardboard box

34303

GIMA code	Standard laryngoscope sets (handle+blades)	
34301	Pediatric set	2 blades MILLER 0-1
34305	Pediatric set	3 blades MILLER 0-1, Mc INTOSH 0
34306	Doctor set	3 blades MILLER 1, 2, 3
34302	Adult set	3 blades Mc INTOSH 2-3-4
34303	Adult set	4 blades Mc INTOSH 1-2-3-4

GIMA code	Bulbs and handles for laryngoscope - rough	
34352	Small handle - pediatric	
34354	Large handle - adult	
34324	Small Bulbs for MAC N°0 and MILLER N°00,0,1	
34325	Large Bulbs for MAC N°1,2,3,4 and MILLER N°2,3 compatible with Kawe and Riester	

GIMA code	Standard Blades	Overall Length mm	Distal Width mm
34310	Blade N° 00 MILLER OXY - premature	65	12.5
34311	Blade N° 0 MILLER - premature/newborn	75.5	11.5
34312	Blade N° 1 MILLER - babies	103	11.5
34313	Blade N° 2 MILLER - adults	155	16.5
34314	Blade N° 3 MILLER - adults/large	195	16.5
34317	Blade N° 0 Mc INTOSH - newborn	80	13
34318	Blade N° 1 Mc INTOSH - babies	90	14
34319	Blade N° 2 Mc INTOSH - infants	100	14
34320	Blade N° 3 Mc INTOSH - adults	130	18
34321	Blade N° 4 Mc INTOSH - adults/large	156	18

Disposable F.O. laryngoscope blades Miller and Mc Intosh

SINGLE-PATIENT USE LARYNGOSCOPE F.O. BLADES
Choice of **5 different blades**: Mc Intosh N° 2,3,4 and Miller N° 0,1. All blades are tested for tensile strength. Individually packed, not sterile.

Compatibility with all "Green" F.O. Systems

GIMA code	Disposable Blade Non sterile	Overall Length mm	Distal Width mm
34481	Metal handle		
34364	Plastic handle - sterilizable		
34365	N° 0 Miller - premature	90	22
34366	N° 1 Miller - children	103	22
34375	N° 2 Mc Intosh - infants	104	24
34376	N° 3 Mc Intosh - adults	132	24
34377	N° 4 Mc Intosh - adults large	156	24

Code 34381 EMERGENCY PACK: plastic handle +3 disposable blades Mc Intosh N° 2,3,4

Code 34382 NYLON BAG - EMPTY

Code 34384 EMERGENCY CASE:

plastic handle+6 disposable blades

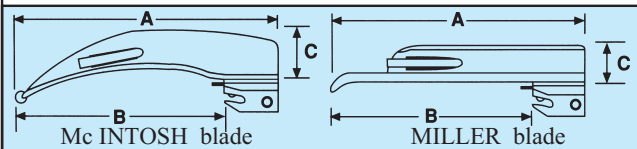


Fibre Optic Laryngoscopes: "GIMA Green" Line



This range of fibre optic blades conforms to the standard ISO 7376:2003, and fit on handles from the other brands applying the standard such as HEINE, RIESTER, WELCH ALLYN, MEDICON,... The halogen light source in the handle is conducted to the tip of the blade through an extra large fibre optic bundle (external Ø 5.0 mm) to produce a cold light, brighter illumination.

All F.O. bundles can be easily removed during sterilization procedures to prevent damages and assure a longer life to the unit. The range includes both Mc Intosh and Miller blades, handles with standard or re-chargeable batteries.



GIMA code	"GIMA Green" Fibre optic blades	A	B	C
34460	MILLER N° 00 OXY blade - Premature	65	40	8.5
34461	MILLER N° 0 blade - Newborn	75	50	8.5
34462	MILLER N° 1 blade - Infant	102	77	8.5
34463	MILLER N° 2 blade - Child	153	128	11
34464	MILLER N° 3 blade - Adult	195	170	11
34469	Mc INTOSH N° 0 blade - Newborn	80	55	13
34470	Mc INTOSH N° 1 blade - Infant	92	67	14
34471	Mc INTOSH N° 2 blade - Child	100	75	17
34472	Mc INTOSH N° 3 blade - Adult	130	105	18
34473	Mc INTOSH N° 4 blade - Adult large	155	130	18
34474	Mc INTOSH N° 5 blade - Adult x-large	175	150	23

GIMA code	"GIMA Green" Fibre optic sets
34450	Empty box without sponge
34451	Pediatric set 2 blades Miller 0-1
34454	Pediatric set 3 blades Miller 0-1, MC. Intosh 0
34452	Adult set 3 blades MC. Intosh 2-3-4
34453	Adult set 4 blades MC. Intosh 1-2-3-4
34455	Doctor set 3 blades Miller 1-2-3
"GIMA Green" Standard Handles and Accessories	
34480	Pediatric metal handle (2xAA batteries) - 2.5 V
34481	Adult metal handle (2xC batteries) - 2.5 V
34364	Adult plastic handle (2xC batteries)
34485	Halogen bulb 2.5 V (minimum order 6 pcs)
34486	F.O. Light guide for "GIMA Green" - specify code
"GIMA Green" Re-chargeable Handles and Accessories	
34487	Pediatric re-chargeable metal handle (3.5 V)
34488	Adult re-chargeable metal handle (3.5 V)
34496	Charging station (including pediatric adaptor, wall support)
34489	Pediatric re-chargeable battery 3.5 V/700 mAh
34490	Adult re-chargeable battery 3.5 V/1300 mAh
34491	Halogen Bulb 3.5V

Fibre optic set for difficult intubations

Code 34492 FLEXI F.O. SET

Deluxe boxed set including one F.O. handle, one F.O. blade N. 3 Mc-Intosh (130x18 mm) for difficult intubations and bulb. The movable blade tip facilitates lifting of the epiglottis and enables a perfect visibility at the intubation process even in case of difficult anatomical conditions. A better visibility and a lower lever force reduce the risk of injury of the larynx and the teeth. Autoclavable to 135° C

- Stainless steel construction, matt finish
- Can be used with all Green Spec Handles
- Compatible to ISO 7376:2003 Green Standards
- Channel provides improved viewing area
- 4.0 mm fiber bundles for maximum light output

Code 34493 FLEXI F.O. BLADE N. 3 Mc-Intosh

Code 34494 FLEXI F.O. BLADE N. 4 Mc-Intosh (155x18 mm)

Code 34485 BULB 2.5 V - spare



Emergency kits complete with standard emergency devices



GIMA presents 8 different emergency kits available in aluminium case, cordura bag, cordura rucksack.

EMERGENCY RUCKSACK:

Code 27171 LOGIC 2 RUCK SACK - empty - 40x25x47 cm

Code 34162 "GIMA 8" EMERGENCY RUCKSACK - filled

Code 34163 "GIMA 9" EMERGENCY RUCKSACK - filled

Code 34164 "GIMA 10" EMERGENCY RUCKSACK - filled - without cylinder

EMERGENCY ALUMINIUM CASE:

Code 34159 ALUMINIUM CASE - empty - 40x35x10 cm

Code 34160 "GIMA 1" EMERGENCY CASE - filled

Code 34161 "GIMA 2" EMERGENCY CASE - filled

EMERGENCY BAG:

Code 27165 EMERGENCY BAG - empty - 35x50x23 cm

Code 34155 "GIMA 6" EMERGENCY BAG - filled - without cylinder

Code 34156 "GIMA 4" EMERGENCY BAG - filled

Code 34157 "GIMA 5" EMERGENCY BAG - filled

Personalized Emergency Kit

we can provide kits with your requested products.

Code 34158 minimum order 5 kits



34161 Aluminium emergency case

"GIMA" emergency kits: standard accessories	Emergency case		Emergency bag			Emergency Rucksack		
	GIMA 1 34160	GIMA 2 34161	GIMA 4 34156	GIMA 5 34157	GIMA 6 34155	GIMA 8 34162	GIMA 9 34163	GIMA 10 34164
Steel 0.5 l rechargeable oxygen cylinder (empty), with bronze reducer high pressure manometer and litre-dosage distributor, UNI standard	•	•	•	•	•	•	•	•
Silicone resuscitator bag with facemask N° 4	•	•	•	•	•	•	•	•
Autoclavable resuscitator bag with facemask N° 4	•	•	•	•	•	•	•	•
Silicone facemask N° 2 - pediatry	•	•	•	•	•	•	•	•
3 Guedel airways small-medium-large	•	•	•	•	•	•	•	•
Teeth screw driver and tongue holding forceps	•	•	•	•	•	•	•	•
Helicoidal mouthwedge and tongue holding forceps	•	•	•	•	•	•	•	•
Atoxic tubing for connection to oxygen cylinder	•	•	•	•	•	•	•	•
Laryngoscope with 3 single use blades	•	•	•	•	•	•	•	•
Laryngoscope with 3 s/s Mc-Intosh blades	•	•	•	•	•	•	•	•
Palm aneroid sphygmomanometer - London	•	•	•	•	•	•	•	•
Aneroid sphygmomanometer	•	•	•	•	•	•	•	•
Stethoscope	•	•	•	•	•	•	•	•
Rappaport Stethoscope	•	•	•	•	•	•	•	•
Universal scissors	•	•	•	•	•	•	•	•
Res-q-Vac hand suction unit	•	•	•	•	•	•	•	•
Magill forceps	•	•	•	•	•	•	•	•
Pen light	•	•	•	•	•	•	•	•
Tourniquet Gima	•	•	•	•	•	•	•	•
Oxygen mask	•	•	•	•	•	•	•	•
Emergency cover	•	•	•	•	•	•	•	•
Burn Free dressing 10x10	•	•	•	•	•	•	•	•
5 coloured pouches	•	•	•	•	•	•	•	•

Intubation bag with emergency accessories

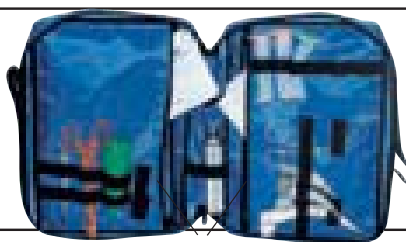
Code 27133 INTUBATION BAG - empty

Code 34152 INTUBATION KIT - complete

Code 34153 INTUBATION KIT F.O. - complete

Compact nylon bag suitable for various uses: 2 internal zip pockets, 9 elastic retainers for instruments, made in water-proof anti-scratch material, blue colour.

Size: 32 x 22.5 x h 7.5 cm.



2 zip pockets

Standard accessories	34152	34153
Mc Intosh Laryngoscope	3	3 F.O.
s/s blades N 1, 2, 3		
Laryngoscope metal handle	1	1
Magill forceps	1	2
Tongue holding forceps	1	1
Guedel cannula	3	5
Mouth opener	1	1
Scissors cm 14.5	1	1
Endotracheal tubes	-	4

GIMA Resuscitation Kits

Code 34181 SPEED 1 RESUSCITATION KIT - UNI cylinder
Code 34182 SPEED 2 RESUSCITATION KIT - NF cylinder
Code 34183 SPEED 3 RESUSCITATION KIT - without cylinder
Code 34180 SPEED EMPTY CASE - with sponge
Code 34222 FACEMASK N° 2 - child small

First aid kits for reanimation, very useful for medical and dental rooms, sport clubs, factories, ambulances...

Case made of anti-shock plastic.

Size: 43 x 32 x 11. Made in Italy.



Available with or without cylinder



Standard accessories	SPEED 1	SPEED 2*	SPEED 3
Silicone resuscitation bag - autoclavable	•	•	•
Silicone Face mask n° 4	•	•	•
Oxygen cylinder 0.5 l (empty). UNI standard	•		
Oxygen cylinder 0.5 l (empty). NF standard		•	
High pressure manometer	•	•	•
Guedel airways (small + medium + large)	•	•	•
Helicoidal mouthwedge + Tongue holding forceps	•	•	•
Atoxing tubing for connection to oxygen cylinder	•	•	•
Plastic case	•	•	•

* product not in stock available in 15 days

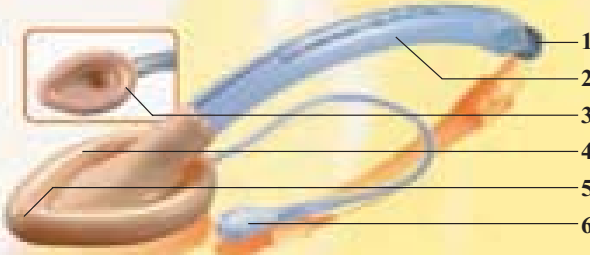
Laryngeal Masks for safe and easy intubation

SILICONE REUSABLE LARYNGEAL AIRWAY MASK

1. Optimal anatomical design ensure convenient and safe insertion. Universal 15 mm connector. 2. See-through flexible airway tube, clear guideline for easy insertion. 3. Tiny protruding bumps minimize the vomiting substance flowing from exophagus and into the lung. 4. Seamless cuff formation offers maximum comfort. 5. Strengthened oval tip prevent possible bending during insertion. 6. Thin walled pilot balloon facilitate the sensing of the inflation tube.



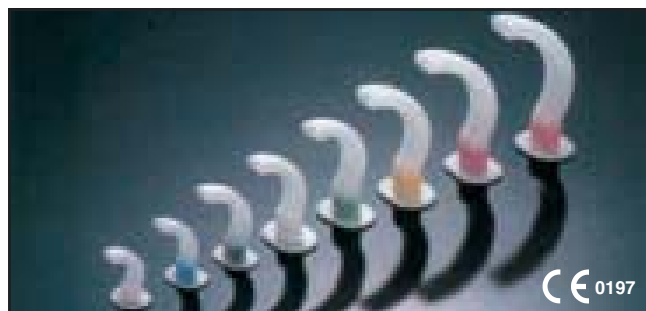
Each laryngeal airway mask is individually serialized for identification and traceability purposes



Autoclavable up to 40 times

GIMA code	Size	Patient range	Weight range	Cuff volume (ml. of air)
34425	2	infant	10-20 kg	10 ml
34426	2.5	child	20-30 kg	14 ml
34427	3	boy	30-50 kg	20 ml
34428	4	adult	50-70 kg	30 ml
34429	5	adult	>70 kg	40 ml

Sterile Guedel Airways



GIMA code	Guedel Airways - Sterile flexible, transparent, autoclavable Guedel Airways	Minimum order
34431●	Guedel airway 40 mm - pink - newborn - 000	box of 10
34432●	Guedel airway 50 mm - blue - newborn - 00	box of 10
34433●	Guedel airway 60 mm - black - child - 0	box of 10
34434▲	Guedel airway 70 mm - white - boy - 1	box of 10
34435▲	Guedel airway 80 mm - green - adult/small - 2	box of 10
34436●	Guedel airway 90 mm - yellow - adult/small - 3	box of 10
34437●	Guedel airway 100 mm - red - adult/medium - 4	box of 10
34438●	Guedel airway 110 mm - orange - adult/large - 5	box of 10
34439	Mixed Guedel airways pack of 1 pcs. of ● marked and 2 pcs of ▲ marked airways for a total of 10 pcs.	box of 10

Sterile Cuffed and Uncuffed Endotracheal Tubes



GIMA code	Endotracheal Tubes - sterile	Minimum order
34385	Uncuffed Endotracheal tube Ø 3 mm - 14 cm	box of 10
34386	Uncuffed Endotracheal tube Ø 4 mm - 16 cm	box of 10
34388	Cuffed Endotracheal tube Ø 5 mm - 22 cm	box of 10
34390	Cuffed Endotracheal tube Ø 6.5 mm - 26 cm	box of 10
34391	Cuffed Endotracheal tube Ø 7 mm - 28 cm	box of 10
34392	Cuffed Endotracheal tube Ø 7.5 mm - 30 cm	box of 10
34393	Cuffed Endotracheal tube Ø 8 mm - 32 cm	box of 10

First Aid Plastic Cases and Metal Cabinets



Advised for offices of 6-10 people

Code 34196 MEDIUM KIT - plastic case **Code 34197 MEDIUM KIT - metal cabinet**
Size: 275 x 240 x 123 mm - 2 kg Size: 370 x 300 x 140 mm - 3.8 kg

Code 34141 EMPTY METAL CABINET 370x300x140 mm



*Advised for offices of 10-30 people
Meets Italian law 388-Art. 1*

Code 34198 LARGE KIT - plastic case **Code 34199 LARGE KIT - metal cabinet**
Size: 395 x 270 x 135 mm - 6.2 kg Size: 460 x 300 x 140 mm - 7.5 kg

Code 34189 REFILL PACK for Code 34198-34199 without sphygmomanometer

Code 34138 EMPTY PLASTIC CASE 395x270x135 mm



Code 34143 METAL CABINET
Supplied with 3 internal metal shelves, removable bottle floor support, 2 small shelves on the door, lock and key.
Size 402x582x202 mm - 12.9 kg

Code 34145 EMPTY METAL CABINET

Standard Cases / Cabinet Content	34194	34196 34197	34198 34199	34143	34151
Bags liquid soap		3		3	
Bags antiseptic wipes		3		3	
Bottle antiseptic solution 125 ml	1	1			
Bottle antiseptic solution 250 ml				1	
Bottle antiseptic solution 500 ml			2	3	2
Oxygenated water bottle				1	
Ammonia bag		2		2	
Pair protective gloves, sterile	2	2	5	5	5
Box of 10 assorted plasters	1	1	2		2
Box of 100 assorted plasters Plastosan				1	
Box of 100 assorted 7x2 cm Plastosan				1	
Adhesive plaster roll 2,5 cm x 5 m	1	1	2	2	2
Elastic bandage with clip 4,5 cm x 7 m				1	
Pack of 8 assorted gauze bandages				1	
Gauze bandage 10 cm x 3,5 m	1	1			
Tubular net gauze			1	1	1
Pack of sterile compress 10 x 10 cm	3	3	10	10	10
Pack of sterile compress 18 x 40 cm	1	3	2	6	2
Pack of cotton wool	1	1	1	3	1
Mask with face shield			1	1	1
Pair of scissors cm 14,5	1	1	1	1	1
Sterile forceps	1	1	2	2	2
Haemostatic lacet	1	1	3	3	3
Sphygmomanometer + Stethoscope			1	1	1
Sterile blanket 40 x 60 cm		1	2	2	2
Pack of instant ice, single use	1	1	2	2	2
Thermometer			1	1	1
Trash bag	1	1	2	5	2
First aid multilanguage booklet	1	1	1	1	1
Guidance leaflet	1	1	1	1	1
Irrigating solution 250 ml	1	1			
Irrigating solution 500 ml			3	3	3
Triangular blanket 96x96x136 cm		1		4	
Isothermic blanket gold/silver 160x210cm				1	
Sterile burn gel sachet 3.5 g				3	
Compressive Emocontrol bandage				1	
Pinocchio helicoidal open mouth Vento				1	
Autoclavable resuscitator with facemask N° 4					1
Oxygen bottle 0.5 l empty - UNI standard					1
Guedel airways					3
Atoxic tube for oxygen					1
Mouth opener					1

Code 34151 GIMA 3 - FIRST AID CASE + OXYGEN

Advised for up to 50 people

Meets Italian law D.M. 388 (15.7.03) art. 1 + emergency kit.

Emergency kit includes:

- **autoclavable resuscitation** with security valve, and silicone mask n. 4.
- oxygen bottle 0.5 l (empty) with reductor and oxygen distributor - UNI standard.
- 3 guedel airways, atoxic tube for connection to oxygen, mouth opener.

Code 34148 GIMA 3 - EMPTY PLASTIC CASE

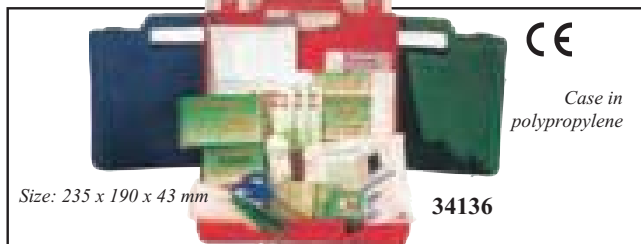


34148

34151

CE

First Aid Family Case



Size: 235 x 190 x 43 mm

34136

Code 34136 FAMILY FIRST AID CASE
Code 34450 EMPTY CASE

Small first aid case suitable for use anywhere and anytime: (at home or office, in the car or boat...). Made in Italy

Standard accessories

2 sterile gauze pads 18 x 40 cm	3 antiseptic wipes
1 pair of scissors. 1 plastic tweezers	1 adhesive dressing 10 x 6 cm
1 sterile bandage 60 x 40	1 gauze bandage 5 cm
1 cotton wool pack 5 g	1 adhesive plaster roll 2 cm x 1m
1 pack of 10 adhesive plasters	1 pair of protection gloves
1 tissue pack 10 pcs	Guidance Leaflet 5 languages

First Aid Case


Code 34194 SMALL KIT - plastic case

Size: 250 x 190 x 90 mm - 1.4 kg

See content of kit at page 158

Code 34188 REFILL PACK for 34194
Code 34139 EMPTY PLASTIC CASE

250x190x90 mm

*Advised for offices of 3-5 people
Meets Italian law 388-Art. 2*

Sterile Medication, Suture Catheterization Kits and Forceps

Code 26930 MEDICATION KIT - sterile
Code 26931 SUTURE KIT - sterile
Code 26932 SUTURE REMOVAL KIT - sterile
Code 26933 CATHETERISATION KIT - sterile

Kit content	26930 medication	26931 suture	26932 suture removal	26933 catheter
Field cloth	•	•	•	
Cushing surgery forceps		•		
Needle Holder		•		
Anatomy forceps	•	•	•	
Ring shaped forceps	•	•	•	•
Styptic clamp (Kelly forceps)		•		
Straight scissors		•		
Gauze swabs 7.5x7.5 cm 8 ply	•	•	•	
5 Gauze plugs 35 mm	•	•	•	•
Latex medium gloves		•	•	
Disposal bag big		•	•	
Littauer scissors			•	
Medication plaster 15 x 12 cm			•	
Gauze swabs 10x10 cm 8 ply			•	
TNT+PE length of cloth				•
Gauze compressed				•



26932

Code 26980 ANATOMY FORCEPS - box of 100 - sterile
Code 26981 NEEDLE HOLDER - box of 20 - sterile
Code 26982 LITTAUER SCISSORS - box of 30 - sterile

26980

26981

26982

Sterile adhesive Dressings TNT+PE Sterile Drapes



34848

34845

Code 34848 OCULAR ADHESIVE DRESSING

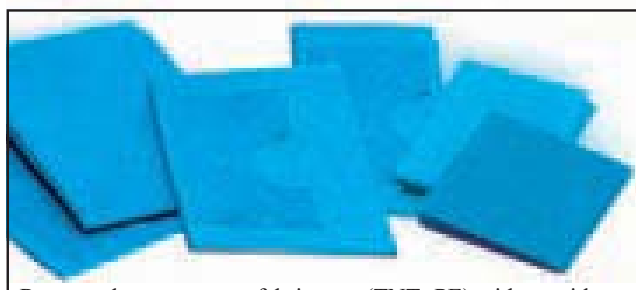
Sterile, extremely absorbent ocular dressing on hypoallergenic permeable adhesive backing.

Suitable for a safe and comfortable eye medication.

Size 6.5 x 9.5 cm - box of 10 pcs.

Code 34845 STERILE ADHESIVE DEVICE for cannula fixation

Size 8 x 5.8 cm - box of 50 pcs.




Rectangular non woven fabric tape (TNT+PE) with or without central protected adhesive hole, easy to apply.

Sterile disposable device. Made in Italy


TNT Sterile drapes	With hole Ø 7x9 mm	Without hole	Minimum order
TNT sterile drape 50x50 cm	34960	34950	box of 200
TNT sterile drape 50x75 cm	34961	34951	box of 150
TNT sterile drape 75x100 cm	34962	34952	box of 50
TNT sterile drape 150x100 cm	34963	34953	box of 33

Gauze Pads and Tampons Sterile Cotton Gauze Pads

		
34772	34780	34790-1-2
GIMA code	Gauzes - non sterile	Minimum order
34770	Cotton gauze pad 5x5 cm - 16 ply - 100 pcs.	20 bags
34771	Cotton gauze pad 7.5x7.5 cm - 12 ply - 100 pcs.	10 bags
34772	Cotton gauze pad 10x10 cm - 16 ply - 100 pcs.	10 bags
34773	Cotton gauze pad 10x20 cm - 12 ply - 150 pcs.	10 bags
34780	Round gauze tampons Ø 30 mm - 100 pcs.	30 bags
34781	Round gauze tampons Ø 50 mm - 100 pcs.	15 bags
34790	Cotton gauze pad 10x10 cm - pack of 1 kg	20 packs
34791	Cotton gauze pad 20x20 cm - pack of 1 kg	20 packs
34792	Cotton gauze pad 30x30 cm - pack of 1 kg	20 packs

		
34764	34763	
GIMA code	Cotton gauze pads - sterile	Minimum order
34760	Size 10x10 cm - box of 150 bags of 25 pcs	1 box
34761	Size 15x15 cm - box of 100 bags of 25 pcs	1 box
34762	Size 20x20 cm - box of 100 bags of 25 pcs	1 box
34763	Size 18x40 cm - carton of 50 box of 12 pcs	1 carton
34764	Size 36x40 cm - carton of 50 box of 12 pcs	1 carton

Bandages and Cotton Wool Fabric Sport Tapes

	
34841	34842
34841	34840
34836	
GIMA code	GIMA bandages and cotton wool
34840	Gauze bandage 3.5 m x 5 cm - pack of 12
34841	Gauze bandage 3.5 m x 7 cm - pack of 10
34842	Gauze bandage 3.5 m x 10 cm - pack of 6
34836	Cotton wool - 250 g - box of 10

		
34754	34753	
34755	CE	
GIMA code	Zinc oxide white fabric tape non elastic adhesive bandage	Minimum order
34753	Tape 14 m x 2.5 cm - for finger	box of 48
34754	Tape 14 m x 3.8 cm - for wrist	box of 30
34755	Tape 14 m x 5 cm - for ankle	box of 24

Elasticated Bandages


<p>Elasticated bandage for containment, individually protected by a single cellophane, in a box.</p> <p>Available in 2 versions:</p> <ul style="list-style-type: none"> - Non adhesive (65% cotton and 35% polyamide fibre) - Adhesive (99.7% cotton and 0.3% polyamide) 		
34720		
GIMA code	Elasticated bandages	Minimum order
34720	Bandage size 5 cm x 4.5 m - box of 20 pcs	10 boxes
34721	Bandage size 7 cm x 4.5 m - box of 20 pcs	10 boxes
34722	Bandage size 10 cm x 4.5 m - box of 20 pcs	10 boxes
GIMA code	Elasticated adhesive bandages	Minimum order
34730	Adhesive bandage size 6 cm x 4.5 m	10 boxes
34731	Adhesive bandage size 8 cm x 4.5 m	10 boxes
34732	Adhesive bandage size 10 cm x 4.5 m	10 boxes

Elasticated Tubular Net

<p>Elastic tubular net for the application of gauze and medication. Due to its versatility it is suitable for all parts of the body.</p> <p>The special structure of the material allows a stretching which holds without compressing.</p> 		
34701	34702	34703
34704	34705	34706
34707	34708	34709
GIMA code	Range	Length under tension: 25 m
34701	1	4
34702	2	7 small
34703	3	8 medium
34704	4	9 large
34705	5	
34706	6	
34707	7	
34708	8	
34709	9	

Original 3M Medication Products

GIMA code	3M medication products
34900	TEGADERM™ - 6 x 7 cm - sterile - box of 100 pcs.
34901	TEGADERM™ - 10 x 12 cm - sterile - box of 50 pcs.
34905	MICROPORE™ - h 25 mm x 9.14 m - box of 12 rolls
34906	MICROPORE™ - h 51 mm x 9.14 m - box of 6 rolls
34909	STERI-STRIP™ - 75 x 3 mm - 50 bags of 5 strips
34910	STERI-STRIP™ - 75 x 6 mm - 50 bags of 3 strips
34911	STERI-STRIP™ - 100 x 6 mm - 50 bags of 10 strips
34912	STERI-STRIP™ - 100 x 12 mm - 50 bags of 6 strips Smaller pack available. See price list



3M

STERI-STRIP™ TNT reinforced: sterile strips for cutaneous suture

Adhesive Dressings



34852
CE 0546



34855

GIMA code	Sterile hypoallergenic adhesive Dressing with central absorbent pad which does not stick to the wound	Minimum order
34850	Sterile adh. dressing 7.2 x 5 cm - box of 8 pcs.	10 boxes
34851	Sterile adh. dressing 10 x 10 cm - box of 6 pcs.	10 boxes
34852	Sterile adh. dressing 10 x 15 cm - box of 4 pcs.	10 boxes
GIMA code	Hypoallergenic extensible nonwoven adhesive dressing to be cut, with highly absorbent central wound pad	Minimum order
34855	Size 1 m x 6 cm - box of 1 roll Recommended for sensitive skin	10 boxes

BWT Adhesive Dressing

WATER PROOF



BWT material: Breathable, waterproof, thin
Round corners avoid dressing from coming off easily
Polyurethane film acts as an antibacterial barrier

34859

CE 0546

34858

GIMA code	Sterile hypoallergenic adhesive Dressing with central absorbent pad which does not stick to the wound
34857	Sterile adh. BWT dressing 8 x 6 cm - box of 50 pcs.
34858	Sterile adh. BWT dressing 10 x 10 cm - box of 50 pcs.
34859	Sterile adh. BWT dressing 10 x 15 cm - box of 50 pcs.

Adhesive Plasters and Spray Plaster Rolls



34816 34813



SPRAY
Up to 40 applications. 34819

GIMA code	Hypoallergenic Adhesive plasters	Minimum order
34812	Water resistant - 19 x 72 mm - box of 20	10 boxes
34813	Water resistant - 5 mixed sizes - box of 20	10 boxes
34816	Sensitive skin - 5 mixed sizes - box of 40	10 boxes
34819	Spray plaster - bottle of 30 ml	-



34803 34804 34802

SKINTONE FABRIC NON WOVEN CLEAR PLASTER

Each roll is supplied with a plastic roll cover except code 34808

Plaster rolls - made in Italy				
Skintone fabric	Hypoallergenic Non woven	Hypoallergenic Clear Plaster	Size	Minimum order
34803	34804	34802	5 m x 2.5 cm	box of 12 rolls
-	34808	-	9.14 x 2.5 cm	box of 10 rolls
34806	34807	34805	5 m x 5 cm	box of 6 rolls
34799 Shop Display: for showing up to 88 boxes (32 x 25 x h63 mm)				

First Aid Cervical Collars



ONE PIECE FIRST AID COLLAR

Made in polyethylene with washable internal part made in EVA (kind of rubber) fixed to structure by plastic rivets. With a tracheal hole, removable chin support and velcro fastener. X-ray translucent. Available in 6 sizes differentiated by safety closure colour or in a set of 6 in a bag.



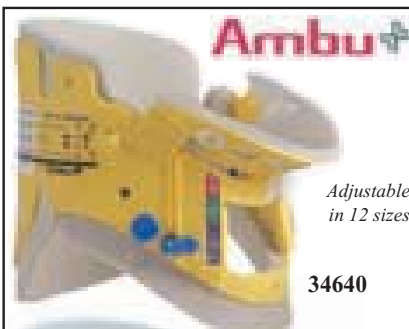
TWO PIECES FIRST AID COLLAR

Made in polyethylene with washable internal part made in EVA (kind of rubber) fixed to structure by plastic rivets. With a tracheal hole, removable chin support and velcro fastener on the back. X-ray translucent. Available in 6 sizes differentiated by safety closure colour or in a set of 6 in a bag.

GIMA code	One piece first aid neck collars
34620	One-piece collar - infant
34621	One-piece collar - pediatric
34622	One-piece collar - stout (bull-neck)
34623	One-piece collar - adult small
34624	One-piece collar - adult medium
34625	One-piece collar - adult large - tall
34626	Set of 6 collars in a bag

GIMA code	Two pieces first aid neck collars
34630	Two-piece collar - infant
34631	Two-piece collar - pediatric
34632	Two-piece collar - stout (bull neck)
34633	Two-piece collar - adult small
34634	Two-piece collar - adult medium
34635	Two-piece collar - adult large - tall
34636	Set of 6 collars in a bag

Ambu® Perfect™ ACE



Adjustable
in 12 sizes

34640



34641
Adjustable
in 16 sizes

AMBU® COLLARS

Ambu® Perfect™ ACE collars are rigid collars, available in 2 versions, adult and pediatric, both adjustable in different sizes/positions.

Adult has 16 adjustments, covering neckless, short, regular and tall. Paediatric has 12 adjustments, covering infant, child, small adult. Made in polyethylene.

GIMA code	Adjustable neck collars
34640	Ambu collar paediatric-yellow
34641	Ambu collar adult-white

Universal Collars



UNIVERSAL CERVICAL COLLARS

Collars made of foam coated PVC. Washable, non toxic, with velcro straps. X-Ray translucent. Available in 3 sizes or in a set of 3 in a bag.

GIMA code	Neck collars
34050	Set of 3 collars in a bag
34051	Cervical collar - small
34052	Cervical collar - medium
34053	Cervical collar - large

Splinter Removal Kit



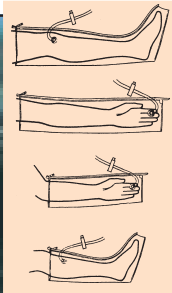
Code 34190 SPLINTER REMOVAL KIT

Includes everything to remove splinters and for first aid medications. In a polypropylene box size 235x190x43 mm:
1 Eye wash solution 100 ml with an eye glass
1 magnifying glass, 2 sterile gauze pads 18 x 40 cm
1 Professional removal pencil, 1 mirror.
1 stainless steel tweezers 11.5 cm

Code 34192 PROFESSIONAL REMOVAL PENCIL

Small metallic splinters eye tool remover. On one side you have a NEODIMIO magnetic point, which enables you to withdraw all metallic splinters avoiding any dangerous eventual eye approach. On the other side you have an antiabrasive nylon loop which is used for non metallic splinters. The body is made of anodised aluminium and the neoprene seals guarantee a better pencil hold. Supplied in a box and CE marked.

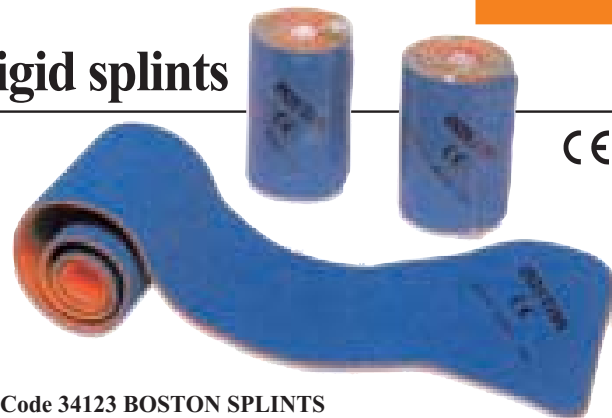
First aid air cushion and semirigid splints



CE

Code 34106 FIRST AID AIR CUSHION SPLINTS

Indispensable instrument for first aid in case of accidents, cutting and crushing injuries. Prevent surface bleeding without stopping the circulation and secure painless transportation of the injured party. The bandage is a transparent cover of PVC easy to clean and reusable, resistant against water and shifting weather conditions. X-rays can penetrate and medical diagnosis can be made without removing the bandage. The long tube with the valve make the inflation of the bandage easy, even by the injured party himself. **Set of 4 different pieces:** leg, foot, arm, hand in a 4 compartment bag, with inflation pump.



CE

Code 34123 BOSTON SPLINTS

Adaptable light-weight splints, x-ray translucent, coated with a non-toxic material which can be easily washed and disinfected. Size cm 92x11. Made in Italy

ALUMINIUM SPLINTS soft lining

With curved edges to avoid harming yourselves. Made in Italy

Code 34120 Splints - size 13x500 mm

Code 34121 Splints - size 19x500 mm

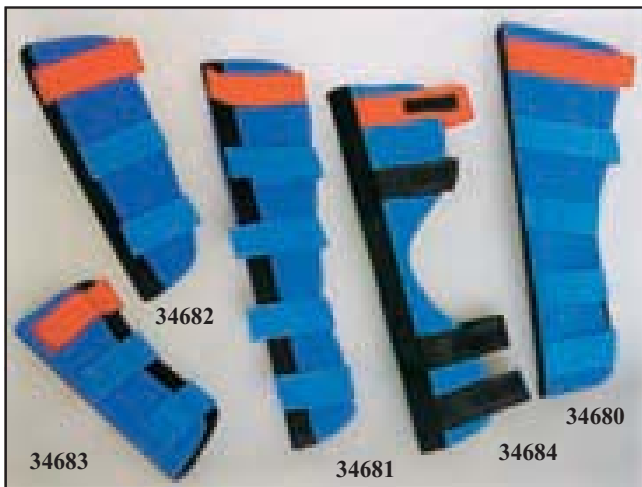
Code 34122 Splints - size 24x500 mm



CE

34121

Gimasplints in 5 sizes: leg, arm, forearm, wrist and elbow



GIMASPLINTS

These supports immobilize your limbs in an efficient and practical way. Each splint can be shaped to fit the patient's personal need. It ensures a high degree of rigid support: thanks to inner part made of neoprene lined with 100% laminated, absorbent-proof nylon assembled to a rigid metal splint. A velcro band allows a quick fixing. Available in 5 sizes or in a bag set of 5 pieces.

GIMA code	Gimasplints
34680	Splint for leg
34681	Splint for arm
34682	Splint for forearm
34683	Splint for wrist
34684	Splint for elbow/ankle
34685	Set of 5 splints

CE

Vacuum Splint Kit

Code 34689 VACUUM SPLINT KIT

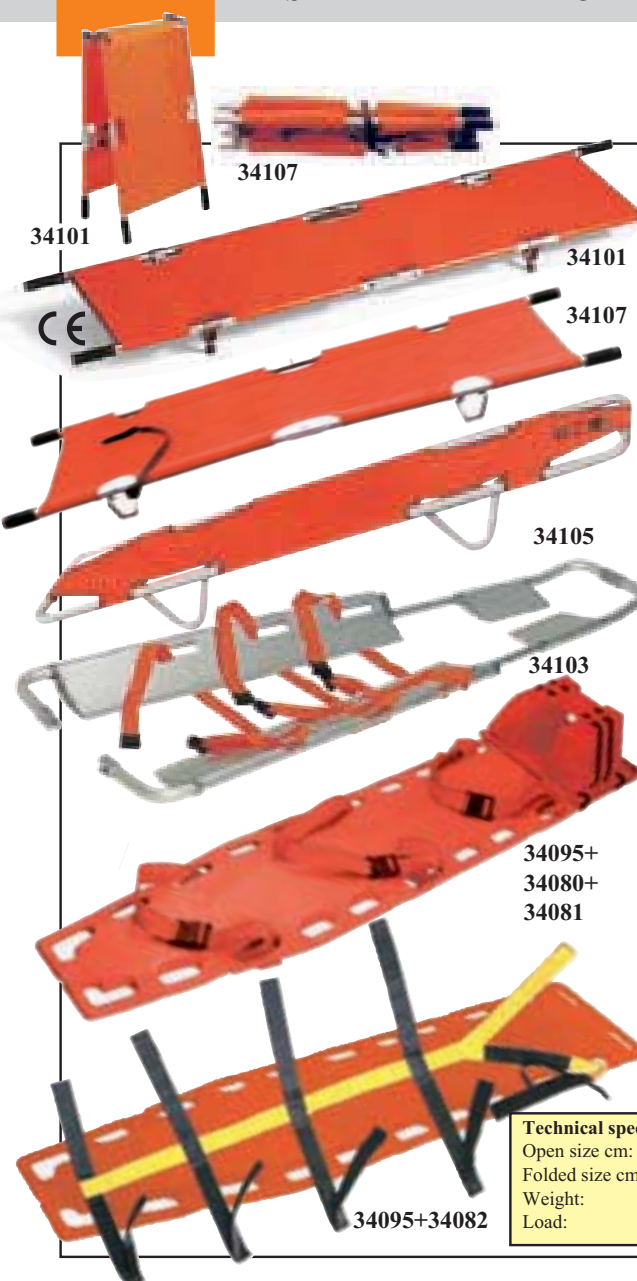
The set includes vacuum splints for arm (70x50 cm), leg (100x70 cm) forearm (50x30 cm) and a nylon bag.

Produced with high quality materials these splints allow perfect immobilization of the lower and upper limbs by removing the air inside. Equipped with an outside valve, to avoid troubles to the patient, and three velcro straps. Made in vinyl covered nylon, x-ray translucent.

Code 34093 ALUMINIUM PUMP - for vacuum splint



Gima stretchers



Code 34101 GIMA STRETCHER 2 - foldable in 2

Emergency stretcher is sturdy, but lightweight in construction, with aluminium frame and three solid iron cross-bars for heavy use. Reinforced nylon bed, fluid repellent and anti-tearing.

Code 34107 GIMA STRETCHER 4 - foldable in 4

Made of high strength alloy material and water-tightness material. Light weight, easy to carry, foldable in 4.

Code 34105 STACKABLE STRETCHER with box

Used in small rooms where it is necessary to store a large number of stretchers. PVC does not absorb blood or body fluids. Strong aluminium construction.

Code 34103 SCOOPING STRETCHER

A wonderfully practical scooping stretcher makes it possible to put the stretcher under the patient without moving him/her much. The shape of the stretcher has been designed to immobilise the patient in the best way during transport.

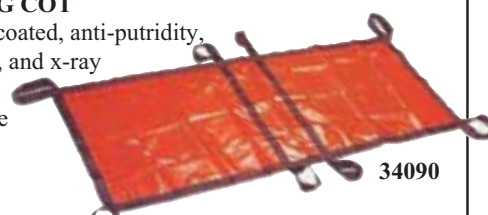
- effective hooking and unhooking device for stretcher uncoupling
- adjustable stretcher length with automatic locking device
- bag with 3 quick unhooking safety belts for patient immobilisation
- once folded can be easily stored inside the ambulance
- completely built in light and sturdy aluminium

Code 34095 SPINAL BOARD

100% x-ray translucent, washable, disinfectable and impervious to all fluids. Compatible with all head-immobilisation devices and strapping system. Buoyant. Colour orange.

Code 34090 CARRYING COT

Made in polyester, PVC coated, anti-putridity, waterproof, easy to wash, and x-ray translucent material. With 8 handles for a more secure patient transport. Size 190x60 cm. Supplied in a bag.



Technical specifications	Gima 2	Gima 4	Stackable	Scooping	Spinal
Open size cm:	203x50x14	221x53x16	186x48x18	min 171x43 max 212x43	183x40x4.5
Folded size cm:	96x50x17	104x19x12	-	120x43	-
Weight:	6 kg	5 kg	5 kg	8 kg	7.6 kg
Load:	120 kg	130 kg	170 kg	150 kg	150 kg

Vacuum Mattress

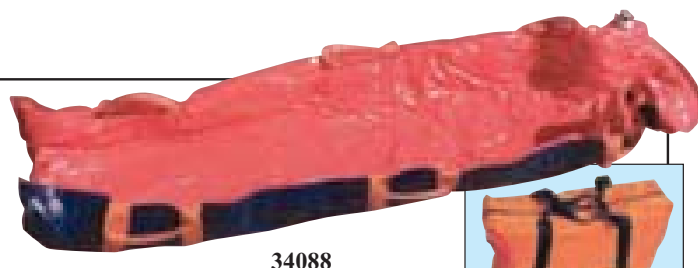
Code 34089 MAT PLUS VACUUM MATTRESS

PVC, X-ray translucent mattress provided with 4 immobilization straps and 12 transport holes.

Suitable for any kind of emergency situation.

Size: 210x90 cm. Weight: 11.2 kg. Loading capacity: 150 kg.

Supplied in nylon bag size 86x43x17 cm, pump not included



34088

Code 34088 MAT VACUUM MATTRESS

PVC, X-ray translucent mattress with 6 transport handles, perfectly fit the patient body.

Sturdy material and careful execution make it suitable for Civil Protection, Fire Brigades, Industry and First-aid on the mountains. Size: 200x75 cm. Weight: 8.8 kg. Loading capacity: 150 kg.

Supplied in nylon bag size 70x43x15cm, pump not included

Code 34094 REPAIR KIT

Code 34093 ALUMINIUM-PUMP for vacuum mattress



34093

Immobilisation Belts for stretchers and spinal boards

 34010  34011  34012  34013					 34081  32794	<p><i>Designed to provide full body immobilization</i></p>  34082
GIMA code	Type	Colour	Size cm	Max load kg	Buckle style	To be used with
34010	Belt-A	red	5x213	60	plastic snap-lock	stretchers + boards
34011	Belt-B	black	5x213	60	2 swivel speed clip + plastic snap-lock	spinal boards
34012	Belt-C	red	5x213	200	automatic quick release (unique belt)	stretchers + boards
34013	Belt-D	black	5x213	200	automatic quick release (belt in 2 pcs.)	stretchers + boards
34081	Set 3 Belts	orange			quick release plastic hook	stretchers + boards
34082	Ragno/Spider	mix	5x46x183	-	velcro strapping system	spinal boards
32794	Nylon bag	red	-	-	-	contains up to 3 belts

Head Immobilizers

 34020	 34021	 34080 <i>Radiolucent material, suitable for x-ray chamber</i>	 34079
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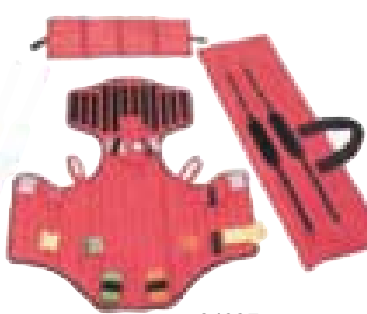
HEAD IMMOBILIZERS

GIMA introduces four models of head immobilizers, different in shape, material and colour.

All are composed of two head blocks and two straps to prevent any head movement of the injured person during transport.

GIMA code	Type	Colour	Material
34020	FERMO-1	yellow	PE foam covered with vinyl
34021	FERMO-2	red	NBR foam dipped with PVC
34080	STOP	orange	High density foam+water repellent coating
34079	CONTOUR	yellow	Moulded antitoxic PVC and polyurethane

Extrication Kits

 34028	 34027	<p>Code 34027 SPINAL IMMOBILIZER TYPE A Code 34028 SPINAL IMMOBILIZER TYPE B GIMA presents 2 different shape of spinal immobilizers, both are ideal for the immobilization and setting free of patients from emergency situations.</p> <p>They allow to fix vertically and horizontally the head and spine of the patient to limit any injuries caused by wrong transport. Supplied with different colour buckles and belt for easy use, padded cushion velcro straps and waterproof bag.</p>
<p><i>Supply horizontal flexibility and vertical rigidity support</i></p>		

Automatic Loading Stretcher

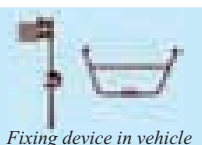


Code 34055 AUTOMATIC LOADING STRETCHER

Automatic stretcher to load and unload patients from emergency vehicles, can be moved by only one person. Specially designed with roll-in system to easily load and unload patients from emergency vehicle without lifting them. Legs fold under cot automatically as stretcher is rolled into the vehicle. Lock-in operating position as cot is removed from vehicle, left-hand and right-hand control levers unlock front and back legs respectively so as to be folded when cot is loaded. Polyethylene covered legs allow cot to roll smoothly in and out of vehicle. Mattress, belts, side rails and fixing devices are included.

Technical specifications

Size: 190x54x90 cm
Weight: 40 kg
Load: 159 kg



Fixing device in vehicle

Multiposition Stretcher



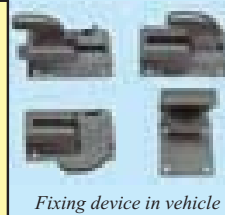
Code 34056 MULTIPOSITION AUTO STRETCHER

Multifunctional automatic stretcher with adjustable positioning system, easily adjustable to the position required during emergency treatments in combination with ambulance.

The stretcher can bend through 6 different grades, forwards or backwards. The back of the stretcher is fixed by pneumatic springs moving in the range of 0 to 60 degrees, also equipped by front and back fixed supports. It can be locked into place inside ambulance at proper position. Mattress, belts, side rails, I.V. stand and fixing devices are included.

Technical specifications

Maximum size (LxWxH): 198x53x98 cm
Minimum size (LxWxH): 198x53x34 cm
Load: 159 kg Net weight: 40 kg
Maximum angle of leaning forwards: 11 degrees
Maximum angle of leaning backwards: 25 degrees
The height scope of touching down (6 grades):
98 cm - 94 cm - 87 cm
77 cm - 60 cm - 34 cm



Fixing device in vehicle

Automatic Loading and Multi Level, X-Frame Stretchers

Code 34062 CARRERA SELF LOADING STRETCHER

- loading height 44-60 cm - yellow/black

Code 34063 CARRERA SELF LOADING STRETCHER

- loading height 54-70 cm - yellow/black

The Carrera cot is a one-piece /one-man stretcher trolley. The platform is available with a semi-automatic backrest lifting system. Sidebars have a built-in mechanism to avoid pinching of sheets and for added safety to the patient. Easy to clean and to load onto the vehicle for the single operator, thanks to the "Back-saving self effect" and to the "self-assist" system integrated in the pistons. Bigger wheels (Ø 200 mm) for added stability (2 with brake). Weight: 29 kg. Mattress and rails included.



34062

34064



Available also black and yellow

Code 34064 ENDURO MULTI-LEVEL STRETCHER

Code 34065 ENDURO MULTI-LEVEL STRETCHER

- with Fowler position - chrome/black

The Enduro multi-level cot is a simple stretcher trolley ideal for use in Hospitals and easy to handle for the operators. It has an X-frame stretcher with 8 different adjustable positions. A special alloy for the frame and HDPE for the board are a guarantee of quality and flexible endurance. The board is equipped with a semi-automatic telescopic backrest lifting system and allows for Trendelenburg positioning of the patient. It is possible to order model with boards that also bend into Fowler position. Sidebars have a built-in mechanism to avoid pinching of sheets and for added safety to the patient. Fully welded it is guaranteed to be a strong companion. Bigger wheels for added stability and an extraordinary weight load capacity of approximately 250 kg. Weight: 45 kg.

GIMA code	Accessories for Self-loading Stretcher and Multi-level Stretcher
34066	Mattress - orange (for 34064, 34065) 180 x 39 x 5 cm
34067	Two pieces belt with metal hook
34068	Front blocking
34069	Back blocking

Basket Stretcher

Code 34098 BASKET STRETCHER - orange

This shell is a new design for a wide range of rescue situations. It is built in high density cross-linked polyethylene, to avoid splintering and cracking. The surface is impervious to body fluids and petroleum products, easy to keep clean.

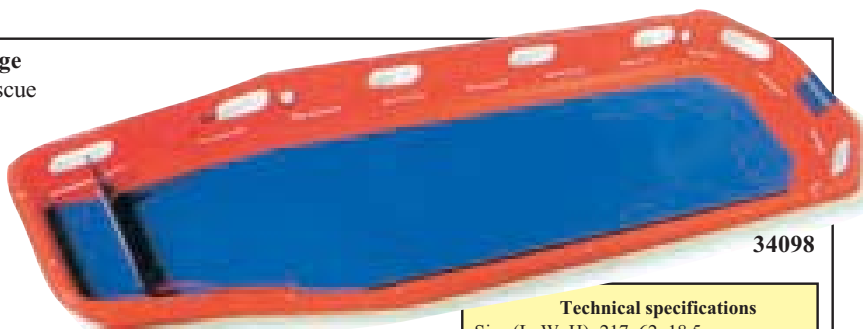
The basket is in non-absorbent orange colour, it will not rust or corrode, resistant to the effects of chemicals and extreme temperatures.

The tubular aluminium frame is permanently fastened to the shell to ensure maximum strength and rigidity of the stretcher. Moulded-in hand holds. Built in brass grammets provide four strategically positioned lifting points to ensure a safe and effective means of raising or lowering the patient. Includes 3 quick-release restraints to hold the patient securely, mattress and foot-rest.

Code 34099 LIFTING BRIDLES

Adjustable, can be used for horizontal and vertical patient lifting. Manufactured in durable woven nylon with sound steel attachment hardware and brass locking mechanism.

Code 34100 FLOTATION SYSTEM



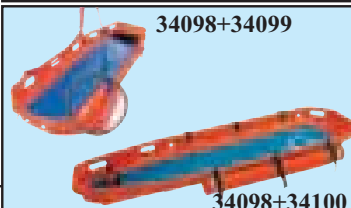
34098

Technical specifications

Size (LxWxH): 217x62x18.5 cm

Load capacity: 278 kg

Weight: 13.5 kg



34098+34099

34098+34100

Wheelchair Stretcher

Code 34057 WHEELCHAIR STRETCHER

Specially designed for confined areas such as narrow hallways or multiple landing stairways; anywhere access is seriously limited.

Two rearstationary wheels and two low profile front guide wheels facilitate transport on most floor types.

Locking safety latch maintains chair position during use.

Technical specifications

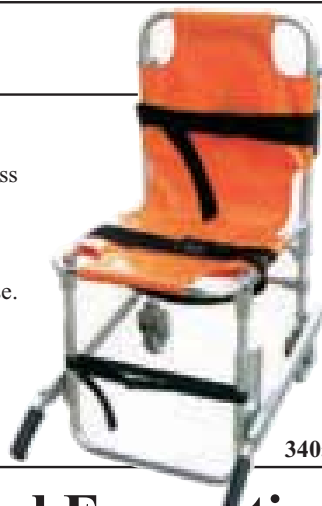
Folded size: 92x52x16 cm

Folded into wheelchair:

- back height: 91 cm - width: 50 cm

- seat height: 49 cm - width: 50 cm

Weight: 8 kg



34057

CE



Folding Stair Chair and Evacuation Chair

Code 34058 EVACUATION CHAIR - orange/chrome

Designed and built for emergency patient removal from confined spaces. Folded it can be stored in most ambulances. Manufactured from chromed steel with brakes on the front wheels. Seat cover made of vinyl coated nylon, easily washable.

Folds in one movement, equipped with two quick-release patient restraints.

Code 34059 FOLDING CHAIR - black/yellow

- orange/chrome on request

A cost effective choice for moving patients through difficult situations.

Four non-slip grip handles make lifting the patient safer and easier.

Two large rear wheels provide easy manoeuvring.

Tough, orange, vinyl coated seat cover easy to clean, resists stain and provides bacteriostatic protection.

Supplied with a set of 3 plastic buckle belts. Made in Italy



34058

34059

CE

Technical specifications

	34059	34058
Folding	Evacuation	
Height (open/closed):	92 cm	98/78 cm
Width:	48 cm	41 cm
Depth with retracted handles:	59 cm	-
Depth with extended handles:	125 cm	open 80 cm
Depth when folded handles:	19 cm	closed 31 cm
Weight:	10 kg	12 kg
Load:	165 kg	116 kg

Burnfree® - Burn Care Products



A complete range of burn care products with superior benefits:

- Dissipates heat on contact
- Cools the burn site, relieves pain, calms the burn victim, helps stop the burn process.
- Covers the burn, helps to prevent contamination

Sterile burn and wounds dressings

Made of a soft open-cell foam, saturated with Burnfree® gel. Sterile to reduce risk of contamination or infection

Pain relieving gel

Ideal for all minor burns (including sunburns), cuts and abrasions, available in bottle or single use dose 3.5 g.

GIMA code	Burnfree® Products
34870	Burn Dressing - 5x15 cm - box of 10 pcs.
34871	Burn Dressing - 10x10 cm - box of 10 pcs.
34872	Burn Dressing - 20x20 cm - box of 5 pcs.
34875	Pain Relieving Gel - bottle 118 ml
34876	Pain Relieving Gel - 3.5 g packs - box of 20 pcs.
34878	Burn Kit (2 sterile dressing 5x15 cm, 1 gel bottle 118 ml, 20 gel bags 3.5g and 4 rollers gauzes)

Hypothermic Blanket

Code 34086 HYPOTHERMIC BLANKET

Reflects and retains over 80% of radiated body heat to keep a person warm and protected even at subzero temperature. Waterproof, reusable, wind proof, lightweight.

*Made of polypropylene
Fralom fibre coupled
to a metallized
polyethylene fibre.*



Size
200x150 cm

Burnfree® - Fire Blanket

Code 34880 BURNFREE FIRE/TRAUMA BLANKET

Provides immediate physical, smoke and heat shielding protection from fire.

Cools and moistens burns.

Size: 183x152 cm

Supplied in barrel bag with strap

(size 50.8x21.5x22.3 cm)

Weight: 6.9 kg (15 lbs)



Isothermic Cover

Code 34085 EMERGENCY COVER

Suitable for protection against cold and heat. Silver side in keeps the warmth of the body, gold side out reflects sunbeams.

Size: 160x210 cm.
Weight: 67



Fire Retardant Blanket

Code 34087 FIRE RETARDANT BLANKET

Made in glass fibre. Can be used to extinguish small fires.

Size
150x180 cm



Instant Ice: Spray or bag in TNT or PVC



Code 34110 INSTANT ICE - TNT bag (non woven fabric)

Code 34111 INSTANT ICE - PVC bag (polyethylene)

Icy-pack "instant ice" is recommended for cryotherapy.

Excellent in case of traumas to soothe the pain and to prevent haematomas, swellings, etc.

Easy and quick to use anywhere and anytime.

Press the bag to break the inner bubble and shake to mix contents. The blend you obtain drops temperature of the pack down to -9/-10°C. Bag size: 14 x 18 cm. minimum order: 25 pcs.

Code 34112 SPRAY INSTANT ICE - bottle 400 ml.

Ecological, useful for small bruises, haematomas or trauma, in first aid or sport applications. Spray on the injured area at 20 cm distance.

Tests for autoclave and hot air sterilization check



Notice "Sterilisé" and two stars drawing change colour **from pink to brown** to show effectiveness of 160°C - 1 hour or 180°C - 30 minutes or 200°C - 15 minutes sterilization and **to black** to show safety margin, doubling sterilization time for each temperature.



Notice "Sterilisé" and three stars drawing change colour **from pink to brown** to show effectiveness of 121°C - 15 minutes or 134°C - 3 minutes and 30" sterilization and **to black** to show safety margin of 121°C - 20 minutes and 134°C - 5 minutes sterilization

Code 35840 "DRY STAR" INDICATOR

- for hot air sterilization

- No special stocking requirements

- No maturity date

Made in France

minimum order: 1,000 pcs.



Code 35850 "STEAM STAR" INDICATOR - autoclave

Indicator for sterilization by autoclave with pressure 1 to 2 bar 120°C/135°C.

- No special stocking requirements

- No maturity date

- Safety and reliability

Made in France

minimum order: 1,000 pcs.



Bowie & Dick Test ready for use



Satisfactory: Not Satisfactory: Central red colour
green uniform Time and/or temperature and/or
colour steam pressure incorrect



Code 35853 UPSTAR - "BOWIE & DICK" - test

Bowie & Dick test ready for use

Stability of colour change

High sensibility, detect any anomaly

minimum order: box of 30 tests



Steam and Dry Heat Adhesive Tape Indicators



35846

35842

For sterilization
at 134° brown strips
appear in 3 min.
For sterilization at 121°
brown strips appear in 15 min.



Meet UNI EN 867-PART 1-2 (Class A)
and as chemical indicators ISO 11140-1

STEAM AND DRY HEAT TAPE INDICATORS

Gima range of tapes is specially formulated for packing purposes as well as to show visibly that the pack has undergone a sterilization cycle. The backing of the different tapes is made of strong, semicreped, impregnated paper which gives excellent conformability during the application. Steril tapes unwind easily and can be torn by hand without difficulty. Special adhesives formulated to withstand high temperature and humidity ensure excellent bond to paper, plastic, non-wovens, board, metal, glass and linen.

Tape indicator - 50 m	Width 19 mm	Width 24 mm	Minimum order
Dry Heat Tape - hot air sterilizer	35842	-	12 rolls
Steam Tape - autoclave	35846	35847	12 rolls

Distiller: system of water distillation



35690

Size Ø 20 cm x h 36 cm

Code 35690 WATER DISTILLER

The autoclaves must run with distilled or demineralised water to avoid problems on electrovalves and on internal mechanism and white traces of limestone on the sterilized tools and devices.

Distiller produces 100% distilled water in a cheap and safe way. It produces 4 litres in about 6 hours.

It is equipped with an automatic control thermostat with block system at the end of operation.

Supplied with 6 active cool filters, 1 detergent, 1 container for produced distilled water. Operating Voltage: 220V - 50-60Hz.

Code 35691 COAL FILTERS FOR DISTILLER - box of 12

BRANSON Ultrasonic Cleaners

Precision cleaning power

Ultrasonic cleaning is faster and safer than any other method. Scrubbing soaking and steam don't even come close. It's powerful enough to remove heavy oils and waxes, penetrating enough to deflux circuit boards, yet gentle enough to clean tiny precision assemblies. Ultrasonic sound waves moving through a cleaning solution create an effect called cavitation, the rapid formation and implosion of microscopic bubbles. Heat enhances the process. The deep-cleaning action of ultrasonics removes even the most stubborn dirt and contaminations.

Branson: pioneer in ultrasonic cleaning

We have selected Branson because their cleaners incorporate years of experience in ultrasonic cleaning:

-easy to handle and safe to fill - frequency higher than average for a deep cleaning - less noise - longer lifetime.

MT MECHANICAL TIMER



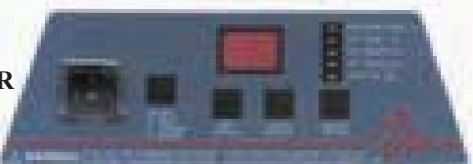
MT: with mechanical timer adjustable up to 60 minutes and with a setting for continuous cleaning.

MTH MECHANICAL TIMER + HEATING



MTH: with mechanical timer and heating with special feature to avoid overheating due to absence of liquid.

DTH DIGITAL TIMER + HEATING



DTH: with digital timer, heating with feature to avoid overheating, degas and temperature monitor. Offers maximum control of cycle time and temperature with clear readouts and one touch settings.



Led Display: indicates the tank temperature, set temperature, ultrasonics time or degas time setting, depending on your SELECT OPTIONS choice.

Lights indicate the option selected by pressing "Select option":

- SOLUTION TEMP: display current solution temp. (10-75 °C ±4°C)
- SET TEMP: set tank temperature (01-69°C)
- SET SONICS: set ultrasonic time (01-99 mins., 60 mins default)
- SET DEGAS: set degas time (01-99 mins., 5 mins. default)
- HEAT ON: indicates heat is activated and has been set (SET TEMP).



Branson 2510 - 2.8 litres



Branson 3510 - 5.5 litres



Branson 5510 - 9.5 litres



Branson 8510 - 20 litres



Ultrasonic Cleaners: codes	Branson 2510 2.8 litres	Branson 3510 5.5 litres	Branson 5510 9.5 litres	Branson 8510 20 litres
MT Mechanical Timer	35501	35510	35520	35531
MTH Mechanical Timer, Heat	35502	35511	35521	35532
DTH Digital Control, Heat, Degas, Timer	35503	35512	35522	35533
Tank size: mm.	240x140x100	290x150x150	290x240x150	495x280x150
Overall size: mm.	338x295x305	399x371x318	399x371x401	599x376x467
Tank capacity: litres (gal)	2.8 (3/4)	5.5 (1 1/2)	9.5 (2 1/2)	20 (5)
Drain and valve kit	NO	Included	Included	Included
Weight: kg (lbs.)	4.1 (9)	4.9 (11)	5.9 (13)	11.8 (26)
Power consumption without heat: W	130	130	185	320
Power consumption with heat: W	239	335	469	881
Frequency: KHz	40	40	40	40
Accessories codes:				
Tank cover, plastic*or stainless steel**	35507*	35517*	35527*	35537**
Perforated Tray	35508	35518	35528	35538
Beaker positioning cover	35509	35519	35529	35539
Specifications of beaker positioning cover	or 2 x 250 ml or 2 x 600 ml	or 3 x 250 ml or 2 x 600 ml	- 4 x 600 ml	- 6 x 600 ml
Glass beaker 250 ml	35540	35540	-	-
Glass beaker 600 ml	35541	35541	35541	35541

Compact ultrasonic cleaner General Purpose Cleaner



Code 35549 GIMA 50 ultrasonic cleaner 0.6 l

This ultra-compact cleaner is very easy to use, effective and economic. Ideal for all those who have to clean articles now and then, **particularly suitable for glasses, jewelry, surgical and dental instruments.**

Electronic, not adjustable timer with plastic cover and basket. No heating. Internal size: 168 x 89 x 55 mm.

Code 35544 BRANSON GENERAL PURPOSE CLEANER -bottle 1 l concentrate
BRANSON PURPOSE is a cleaning solution developed for use with ultrasonic cleaners. Removes general soils, fingerprints, dust, light oils and greases. Branson cleaning liquid has been specially developed to provide optimal transfer of acoustic energy. Mainly used in: dentistry, medical and optical applications, laboratory, electronic, gold and silver work.

Chemical specifications

Concentration: 10-12%
Biodegradability: yes
Phosphate free
Concentration PH: 13.5
Rinsability: good



Germym Gima Plus: Germicidal Ultraviolet Lamps

Available in 3 sizes



Code 35750 GERMym GIMA PLUS 8 W - 38x20xh17 cm
Code 35751 GERMym GIMA PLUS 15 W - 50x24xh20 cm
Code 35752 GERMym GIMA PLUS 30 W - 96x24xh20 cm
Code 35754 SPARE NEON LAMP - 8 Watt
Code 35755 SPARE NEON LAMP - 15 Watt
Code 35756 SPARE NEON LAMP - 30 Watt

GERMym GIMA PLUS: ULTRA VIOLET LAMPS

These instruments incorporate a germicidal ultra-violet lamp which rapidly destroys every micro-organism hit by its rays. Recommended to keep the instruments which are stored inside them sterile.

Instruments previously sterilized can be preserved for a long time and they are always ready for use (UV treatments do not generate heat).

An inside supporting grate keeps instruments raised from reflecting surface which enables both surfaces to be uniformly irradiated, improving the UV germicidal action.

Operator safety is guaranteed by a micro switch which extinguishes the lamp if door is opened.

Solid construction, painted steel outside and reflecting stainless steel inside.

Installation on table or wall.

Operating voltage: 230 V - 50/60 Hz - 1 A

Made in Italy

GIMA Quick: sterilization in 2 minutes

Code 35640 GIMA QUICK - hot bead sterilizer

Code 35642 GIMA QUICK PLUS with thermometer

GIMA QUICK hot bead sterilizer has been projected and developed specifically for medical use otherwise it is recommended also for dentistry, podology, veterinary tattoo and beauty studios. It ensures a quick and effective sterilization. It sterilizes files and mirrors in 2 minutes, surgical instruments in 2 minutes, curettes and forceps in 3 minutes.

Its constant temperature over 230°C ensures the total destruction of micro-organisms and spores in few seconds. GIMA QUICK has its casing in epoxydic powders painted steel; the inside cylinder is completely isolated by fibres and glass, which prevents the heat from being transmitted to the external box. It can work continuously for the whole day. Supplied with a pack of glass beads (220 g). Made in Italy.

Code 35645 PYREX BASIN

Code 35646 PACK OF GLASS BEADS



Technical specifications

Outer structure in white painted steel	Weight: 2.8 kg
Size: 130 x 130 x 190 mm	Power consumption: 150 W
Copper plated basket: diameter 5.5 cm	Operating voltage: 220 V - 50 Hz.
depth 7.5 cm	Warranty: 12 months Made in Italy

TAU Automatic Hot Air Sterilizers

Shining 18/8 stainless steel non corrosive, almost indestructible sterilization chamber which reflects the heat to reach rapidly desired temperature.



35600

Code 35600 TAU STERIL 1.6 - automatic hot air sterilizer

Code 35619 TAU STERIL 18 - automatic hot air sterilizer

TAU sterilizers have been designed to satisfy all daily medical requirements in the field of sterilization. Extremely robust, totally automatic, guarantee complete working safety.

TAU 1.6 has double wall and inner insulation, outside it is made of stove-enamelled sheet steel, inside of stainless steel 18/8 (double cover, sterilization chamber and removable perforated tray). **TAU 18** comes complete with safety fuses, neon warning lights to control timer and thermostat, power cable, 3 itallumac treated shelves, shelf extracting tongs.



35619

CE 0426

Technical specifications	TAU 1.6	TAU 18
Inside dimensions:	245x115x h55 mm	375x230x h200 mm
Outside dimensions:	310x180x h180 mm	440x310x h380 mm
Weight:	5 kg	14 kg
Operating voltage:	220V	220V
	110V available on request	
Power consumption:	250 W	600 W
Fuses:		3.15 A
Thermostat:	Automatic capillary bulb type with self registration from 90° to 200°	
Timer:	from 0 to 120 minutes	
Thermometer:	high precision with capillary bulb	
Made in Italy.		

TAU 36 Automatic Sterilizer Gimette 60 with ventilation



Code 35626 TAU STERIL 36 - automatic hot air sterilizer

Manufactured to meet the needs of hospitals and clinics, for dental, medical and aesthetic use. Inner wall of sterilizing chamber is made of 18/8 stainless steel, outer wall is made of oven-cured plate. It is equipped with 0° -200° C thermostat, armoured resistor, manual/automatic timer, safety thermostat, pilot lamps, switch protection fuses, 3 shelves and self extracting tongs. Manufactured in accordance with UNI EN ISO, UNI IEC EN 46002 and 93/42 EEC.



Code 35625 GIMETTE 60 TV

Fully automatic hot air sterilizer, suitable to sterilize a large quantity of instruments, with adjustable temperature from 50°C to 250°C. Ventilation system guarantees in short time a precise temperature in all internal chamber. Stainless steel door. Four extractable trays with large capacity. Provided with timer, temperature gauge, safety thermostat.

Technical specifications		CE 0426
Inside dimensions:	400x300x h300 mm	
Outside dimensions:	620x400x h470 mm	
Weight:	20 kg	
Operating voltage:	230V (110V available on request)	
Power consumption:	1280 W	
Thermostat:	Automatic capillary bulb type with self registration from 0° to 200°	
Timer:	from 0 to 120 minutes	
Thermometer:	high precision with capillary bulb	Made in Italy.

Technical specifications		CE 0425
Inside dimensions:	460x410x h340 mm = vol. about 60 dm³	
Outside dimensions:	600x530x h530 mm	
Weight:	36 kg	
Power consumption:	2700 W	
Operating voltage:	230 V - 50Hz	
Thermostat:	from 50° to 250°	
Timer:	manual from 0 to 120 minutes	
Thermometer:	high precision with capillary bulb	
User manual:	English and Italian	Warranty: 1 year
		Made in Italy.

Hot Air Sterilizers: GIMETTE 1.5, 7, 21, 28 and 50 litres

35601

GIMETTE 1,5



Code 35601 GIMETTE 1.5 - hot air sterilizer  0425
Code 35607 GIMETTE 7 - hot air sterilizer

Automatic Gimette are compact and high quality hot air sterilizers with the same reliability and efficiency as larger models.

Outside structure is made of painted plate with anti-scratch epoxy powder. Stainless steel lid and sterilization chamber with approx. capacity of 1.5 l. and 7 l.

Removable, perforated for air circulation, tray with pliers.

All components certified by most important European brands, assembling in compliance with EN-61010.

A second safety thermostat operates in case temperature should exceed 220°C. Red LED indicates any anomaly in thermoregulation and consequent starting of safety thermostat.

GIMETTE 7

35607



Technical specifications

GIMETTE 1,5

Inside dimensions: 245 x 120 x 50 mm = vol. 1.5 dm³

Outside dimensions: 310 x 180 x 180 mm Weight: 4.3 kg

Power consumption: 250 Watt Fuse: 1 A

GIMETTE 7

Inside dimensions: 410 x 180 x 90 mm = vol. 7 dm³

Outside dimensions: 490 x 310 x 180 mm Weight: 8 kg

Power consumption: 400 Watt Fuses: 2 x 2.5 A

Thermometer: high precision with capillary bulb

Same specifications for both models:

Operating Voltage: 230 V. - 50 Hz.

Thermostat: automatic, adjustable 0-200 °C

Timer: manual from 0 to 120 minutes

2° Thermostat: bi-metallic certified


Green LED: timer, orange LED: heating, red LED: alarm

Made in Italy - Warranty 1 year

GIMETTE 21

35621



Code 35621 GIMETTE 21 - hot air sterilizer  0425
Code 35628 GIMETTE 28 - hot air sterilizer
Code 35629 GIMETTE 50 - hot air sterilizer

Fully automatic hot air sterilizer, with adjustable temperature from 0°C to 200°C, kills off even particularly resistant micro-organisms. Stainless steel structure is powder painted, except for the door, to assure maximum heat and shock resistance over time. Four perforated, anodized aluminium trays make hot air circulation easier. Capacity approximately 20 l., 28 l. and 50 l. A second safety thermostat operates in case temperature should exceed 230°C. Red LED indicates any anomaly in thermoregulation and consequent starting of safety thermostat.

35628

GIMETTE 28



Technical specifications

	GIMETTE 21	GIMETTE 28	GIMETTE 50
Inside dimensions mm:	300x250x260	380x250x360	405x340x350
Approx. volume	20 dm ³	28 dm ³	50 dm ³
Outside dimensions mm:	440x340x400	550x340x400	605x460x480
Weight:	13 kg	17 kg	24.5 kg
Power consumption:	600 Watt	500 Watt	1200 Watt

Same specifications for 3 models:

Operating Voltage: 230 V. - 50 Hz.

Fuses: 2 x 4 A (35621, 35628) 2 x 8 A (35629)

Timer: manual from 0 to 120 minutes Thermostat: automatic

Thermometer: high precision with capillary bulb

2° Thermostat: bi-metallic certified

Green LED: timer, orange LED: heating, red LED: alarm

Made in Italy - Warranty 1 year

User/Service manual in Italian, English, Spanish

Prestige Clinical Autoclaves: Excellence through Design



Easy to use, with fully automatic cycle 126°C/11 minutes

GIMA code	Prestige Medical Autoclaves
35709	Prestige autoclave 9 litres
35712	Prestige autoclave 12 litres
35720	Silicone sealing gasket
35722	Depressurization valve



PRESTIGE AUTOCLAVES - class N

Prestige is one of the world's largest selling and most cost effective automatic autoclave available, with an enviable reputation for reliability, durability, safety and quality.

- Lifetime warranty on heating element
- Method recommended by healthcare professional worldwide including the World Health Organisation (WHO).
- Each autoclave is computer tested and issued with a unique Performance Test Certificate.
- At only 4.5 kg net weight, offers full device portability.
- Supplied with basket, tray, lifting fork.

Recommended for infection control not only in hospital and general medical and dental surgeries, but also in veterinary, chiropody, professional beauty, tattooists, acupuncture, laboratories and schools. Multilingual user manual. Comply with: IEC 601, DIN 58946, EMC, UL 544, BS3970 part 4, ESCHLE



SYMBOL OF QUALITY, SAFETY AND SERVICE

Technical specifications		
	35709	35712
Capacity :	9 l	12 l
Chamber internal dimensions (D/H)	210/236	210/328
Maximum instrument length (diagonal):	228 mm	290 mm
Maximum loading weight:	3 kg	4 kg
Width/height:	340/335	340/420
Same specifications for 2 models:		
Sterilizing time: 11 minutes		
Cycle time (nominal) minutes: 22 minutes		
Operating pressure: 1.40 bar		
Sterilizing temperature: 126 °C		
Operating voltage: 230 V - 50-60 Hz Power 1.500 Watt		
Made in UK - Warranty: 1 year		

GIMA Vertical Autoclave H 100 - 9 litres - Class N

Code 35746 H100 GIMA AUTOCLAVE - 9 litres - 230 V

Code 35656 H100 GIMA AUTOCLAVE - 9 litres - 110 V

This autoclave is safe and easy to use. It is used to sterilize surgical instruments and hand-pieces which can be sterilized up to 125°C. All this with a sterilization cycle of 15 minutes. It is formed by an external box of painted steel and a stainless-steel 18/10 body without any welding, it has three safety valves.



Safety systems

- Safety lock, which prevents the opening of the door during the sterilization cycle; the door can only be opened when pressure inside the chamber is levelled to the ambient one.
- Safety valve for vapour exhaust in case of damage with inside overpressure > 2.5 bar.
- Safety thermostat which occurs if the inner temperature of the chamber rises over 135°C.
- Thermodynamic vacuum.

Standard Accessories	
Stainless steel basket	Rauclair tube
Distilled water bottle 1 l.	Electric cable
User manual in English, French, German, Italian, Spanish	

Technical specifications	
External size: 258 x 300 x h 370 mm	
Size of the sterilizing chamber: Ø 220 mm - h mm 215	
Removable basket: Ø 210 mm - h mm 215	
Sterilizing liquid: distilled water	
Absorbed power: 1500 Watts	
Operating voltage: 110 V or 230 V - 50/60 Hz	
Fuses: type 6.3 x 32 mm - 8A	
Operating temperature: 125 °C	
Sterilizing time: 15 minutes	
Operational pressure: 1.6/1.7 bars (170/180 KPa)	
Weight: net weight 12.2 kg - gross weight 14.8 kg	
Made in Italy Warranty: 1 year	

35746

Hydra Electronic 15 litres Steam Autoclave - N

Code 35650 HYDRA AUTOCLAVE - 15 litres - 230 V

Code 35654 HYDRA PLUS AUTOCLAVE - 18 litres - 230 V

Automatic steam autoclaves for the sterilization of unwrapped instruments.

Two sterilization cycles: 121°C and 134°C

Each sterilization phase: pre-heating, sterilization, drying is automatic.

Safety closing: system of closing by a safety pivot

Thermodynamic system for the ejecting of the "cool" air locks.

The sterilization chamber is completely stainless steel

AISI 304 and it is heated by a band shape heating element which grants uniformity of the heat.

Supplied with four aluminium trays and one key for their extraction.

User manual available in English, French, Italian, Spanish.

Code 35671 SEALING GASKET - spare

Code 35669 HEATING BAND DHY A035 for 35650, 35654



Technical specifications

Stainless steel chamber: \varnothing 24.5 x 32 cm \varnothing 24.5 x 40 cm (Plus)
External size: 44 x 38 x 49 cm (W x H x D)
Net weight: 35 kg
2 sterilization cycles: 121°C and 134°C
Operating Voltage: 230 V \pm 10% - 50/60 Hz
Power consumption: 1.3 KW
Class N
Made in Italy - Warranty: 1 year

93/42/EEC Medical device
73/23/EEC Low tension
93/36/EEC Electromagnetic Compatibility

Cycles	Materials	Sterilization time	Drying time	Max load	Working pressure
Not wrapped 121° C	•Fragile solids •Rubber solids •Glass •Turbines if indicated by producer	20 min.	5 min.	2.8 kg 700 g load in any tray	1.2÷1.3 bars
Not wrapped 134° C	•Stainless metal solids •Turbines if indicated by producer	10 min.	5 min.	2.8 kg 700 g load in any tray	2.1÷2.2 bars

Sterilmed 9 litres Steam Autoclave - Class N

Code 35649 STERILMED AUTOCLAVE - 9 litres - 230 V

Steam autoclave for the sterilization of unwrapped instruments.

2 sterilization cycles: possibility of choosing two cycles at 134°C or 121°C with automatic drying.

Closure system with an operator safety pivot.

Air pockets automatic ejection system: thermodynamic system for the ejection of the "cold" air pockets.

Stainless steel chamber: the sterilization chamber is made entirely of stainless steel and is heated by a band shaped heating element which guarantees uniformity of heat.

Supplied with 3 aluminium trays.

Available on request 110 V.



93/42/EEC Medical device
73/23/EEC Low tension
93/36/EEC Electromagnetic Compatibility



Technical specifications

Stainless steel chamber: \varnothing 16.4 x 32.5 cm
External size: 38 x 32 x h 50 cm
Tray's size: 11.5 x 17 x h 3 cm
2 sterilization cycles: 121°C and 134°C
Operating voltage: 230V \pm 10% - 50/60 Hz
Max absorbed power: 1,350 Watt
Net weight: kg 28 Class N
Made in Italy - Warranty: 1 year
User manual: English, French, Italian, Spanish.

Cycles	Materials	Sterilization time	Drying time	Max load	Working pressure
Not wrapped 121° C	•Fragile solids •Rubber solids •Glass •Turbines if indicated by producer	20 min.	5 min.	2.8 kg 700 g load in any tray	1.2÷1.3 bars
Not wrapped 134° C	•Stainless metal solids •Turbines if indicated by producer	10 min.	5 min.	2.8 kg 700 g load in any tray	2.1÷2.2 bars



93/42/EEC	Medical device	Low
73/23/EEC	tension	
93/336/EEC	Electromagnetic	
	Compatibility	

Andromeda Vacuum is supplied with printer built into the drive board. The printer document certifies the sterilization by indicating all the data related to the cycle.

[illegible]

Code 35671 SEALING GASKET - for Andromeda and Europa
Code 35672 BACTERIAL FILTER - for Andromeda and Europa
Code 35673 VAPOR LINE STERILIZATION INTEGRATOR
- for Andromeda and Europa

Europa: autoclave with printer and PC connection

Class B

Code 35653 EUROPA B XP AUTOCLAVE - 15 litres

Fractionated Vacuum: B type fractionated vacuum managed by a double phase vacuum pump to ensure complete evacuation of air.

Microprocessor System and Evaluation System Built in:

All functions and controls are managed by an updated microprocessor electronic system.

System of integrated valuation: An electronic control ensures a self valuation and the management of all functions.

New electronic control: The control card is integrated in the board to allow temperature settings to be preset, automatic barometric alignment to take place, multifunction graphic display to work and carries the management availability for the integral P.I.D. system.

Safety Door: The door is equipped with three systems to ensure the operators safety: Dynamic, Electromagnetic, and Electronic. The door will only open when the internal pressure is zero, ensuring the operators safety.

6 Automatic cycles without operators: Six automatic sterilization cycles which do not need the operator to be present. All equipped with an anti-condensation function and automatic cut off.

3 Cycle tests for vacuum check: Europa B XP has 3 test cycles available: VACUUM TEST, for the air pockets evacuation BOWIE & DICK TEST, for hollow-tools HELIX TEST.

Warranted drying: The combined vacuum and heat drying cycle ensures that the equipment is totally dry as required.

Stainless steel chamber: The T-PED certified stainless steel cylinder ensures the heat is uniformly dissipated.



This is a unique autoclave equipped with incorporated printer and PC connection

P.I.D. Regulation System
Special control to monitor the parameters of the sterilization cycle

Validating System: Prearranged validating system of the sterilization cycle.

Water tanks: A clean water tank and a dirty water tank ensure the best possible sterilization cycle and enhance the working life of your equipments

Technical specifications

Operating voltage: 230 V - 50/60 Hz Max absorbed power : 2000 W
110 V on request Chamber dimension: Ø 24.5x32 cm depth
External size: 51x39x59 cm (WxMxD) Warranty 1 year.
Weight: 54 Kg Made in Italy

Cycles	Materials	Ster. time
121° C not packed in bags	•Fragile solids •Rubber solids	52 min.
121° C packed in bags	•Delicate hollow and porous instruments •Solids instruments	60 min.
134° C not packed in bags	•Fragile solids •Rubber solids	42 min.
134° C packed in bags	•Solid instruments •Hollow and porous instruments	50 min.
134° C PRION	•Solid instruments •Hollow and porous instruments	65 min.
134° C POROUS	•Hollow and porous instruments not packed in bag •Solid instruments not packed in bag	58 min.

D-500 Digital Sealing Machine with Dot Matrix Printer

Code 35910 D-500 SEALING MACHINE

D-500 is a continuous sealing machine for medical pouches according to DIN rules 58953, P7 with dot matrix printer.

It allows a 12 mm multi-line seal and features stand-by function and automatic infeed through photocell.

D-500 is equipped with built-in printer to print different data on the bag (sterilization/expiry dates, statutory symbols) during the sealing process in order to provide constant control on the sterility of your instruments, especially when the paper layer of the sterilization bag is less tight, after 30 days, and consequently losing instruments sterility.

Built in epoxy coated stainless steel.

D-500 is a sophisticated unit controlled by a microprocessor and equipped with a device to adjust temperature (displayed by LCD) and printing parameters.

The sealing pressure is automatically adjusted according to the material thickness. It also guarantees 30 mm safety distance between seal and product, according to DIN rules.

All medical centres wishing to obtain certifications should use D-500 Sealer.

Easy to use and maintenance-free, it is the ideal solution for clinics and hospitals.

Code 35912 INK-CARTRIDGE D-500 - spare part



Technical specifications

Infeed speed 6 m/min
Temperature control by digital thermoregulator
Sealing temperature 80°÷200° C
Temperature tolerance ±2%
Seal Multiline
Seal width 12 mm
Adjustable free edge 0 ÷ 30
Power supply 230 V-50/60 Hz-single phase
Absorption 600 W
Dimensions 495 x 220 x 172 mm
Net weight 12 kg
Made in Italy

D-351 Sealing Machine: electro-magnete operation



Electromagnet closing

35900

Code 35900 D-351 IMPULSE SEALING MACHINE

It is the latest development of the compact impulse medical sealers, conform to DIN 58953 P.7 rules, specially designed to be used in medical, dental, oculistic surgeries and test laboratories.

Main features:

- Sealing and cutting length 35 cm - Safety check with alarm.
- Main board with temperature control to avoid overheating of the sealing wire - Sealing bars closed by electromagnet
- Complete with foil-roll dispenser and built-in cutting device.

Easy

- By the pressure of only one finger, without using levers, the bars close automatically.
- The electro-magnet guarantees a steady sealing pressure for the whole set period.

- The sealing bar opens automatically at the end of the cycle, requiring no action by the operator.

Quick

- The electro-magnetic system allows a substantial saving of the packing time. Quick foil feeding.

Safe

- The machine does not start the sealing cycle if there is an object with a thickness over 3 mm between the bars.
- The electronic temperature control through a NTC probe provides a perfect temperature accuracy from seal to seal.
- The electronic alarm function avoids any overheating.

Code 35902 TEFLON - spare

Code 35903 RESISTOR - spare

Technical Specifications

Sealed materials: paper/polyethylene/polyester - Tyvek®
 Sealing length: 350 mm
 Sealing width: 8 mm as per DIN 58953 P. 7 rules
 Electronically controlled sealing time: 0.5 sec.
 Cutting length: 350 mm
 Foil-roll dispenser 350 mm
 Power: 230V- 50/60 Hz single - phase
 Max absorption: 700W, only during the sealing time
 Dimensions: 44x 17.5x31 cm Weight: 18 kg
 Built in accordance with CEI EN 60204- 1 rules
 Made in Italy

Compact Size Electronic Thermosealing Machines



Made in Italy

35905

Technical specifications

Sealing width: 12 mm Power resistance: 100 W
 Sealing length: 300 mm. Operating Voltage: 220/230 V - 50/60 Hz
 Support plane size: 15 cm 115 V available on request
 Sealing time: 3 to 5 seconds Size: 42x39.7x14.3 cm
 Weight: 5 Kg All components IMQ, UL, DVE approved

Code 35905 GIMA V300 VERTICAL THERMOSEALER

A new concept of Thermosealer.

Vertical thermosealer for small places:

The innovative vertical shape and its compact size enable the use of this machine in any small place. Its width, including the support plane is only 42 cm.

Safety features:

Security was the first priority in the development of this device, all units are provided with 3 different safety features:

- Protective guard to avoid the contact between fingers and blade of the sealing unit
- protected resistor group
- automatic auto shut-off timer in case of probe failure

Quick sealing in 3 - 5 seconds:

The advanced system of automatic sealing control avoids paper and rolls burning enabling the quick and continuous sealing of hundreds of pieces, **sealing time from 3 to 5 seconds!**

Code 35907 TEFLON V 300 - spare

Code 35908 GROUP RESISTOR V300 - spare part

Ultra-Compact Sealings for 300 mm and 450 mm Seals

COMPACT SEALINGS

A revolutionary thermosealing at unbeatable price. Extremely compact, only 12.5 cm depth, allows very quick sealings in 3-5 seconds.

Available in 2 versions for 300 mm or 450 mm sealings



Code 35920 GIMA B300 COMPACT SEALING

Code 35921 GIMA B450 COMPACT SEALING

Code 35907 TEFLON B300 - spare

Code 35908 GROUP RESISTOR B300 - spare

Code 35923 TEFLON B450 - spare

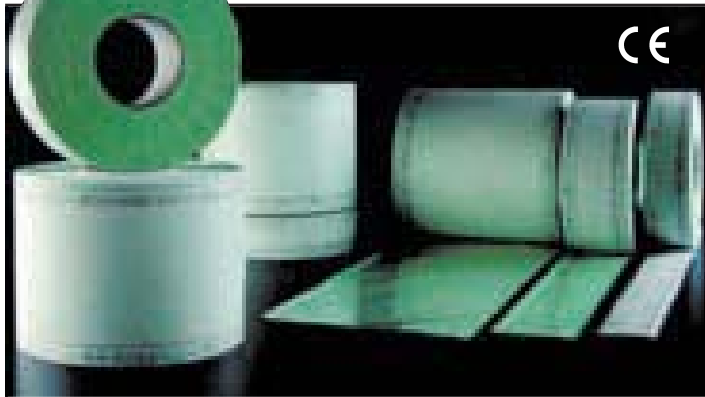
Code 35924 GROUP RESISTOR B450 - spare



Technical Specifications

	GIMA B300	GIMA B450
Sealing length:	300 mm	450 mm
Sealing width:	12 mm	
Sealing time:	3 to 5 seconds	
Power resistance:	100 W	150 W
Weight:	3,5 kg	4,5 kg
Size:	43x12.5x14 cm	59x12.5x14 cm
Operating voltage:	230 V - 50/60 Hz (115 V on request)	
All components, IMQ, UL, DVE approved		
Conform to "Low Tension" CEE 73/23 Made in Italy		

Pouches and Rolls for autoclave and hot air sterilization



FLAT ROLLS for hot air sterilization (160-180°C)

Flat rolls manufactured in transparent, high quality plastic to withstand the high temperatures used in hot air sterilization. Material can be exposed to temperatures between 160-180°C, with exposure time 30 to 120 minutes. Over 180°C rolls become dark and burn. **Each roll is 200 m long.**

FLAT ROLLS for sterilization by autoclave or ethylene oxide gas

Flat rolls consist of transparent, polyester-polypropylene film coupled to medical grade paper which permit steam and gas penetration during sterilization. Steam and gas indicators provide clear colour changes when exposed to sterilization process. **Each roll is 200 m long.**

GUSSET ROLLS for sterilization by autoclave or ETO

Made with coated film PET 12/PP 40 green and 60 g medical white paper. For sterilization of voluminous objects.

Each roll is 100 m long.

GIMA code	Rolls for hot air sterilization	Minimum order
35801	Flat rolls 200 m x 100 mm HR 41	3 rolls
35802	Flat rolls 200 m x 150 mm HR 42	2 rolls
35803	Flat rolls 200 m x 200 mm HR 43	1 roll

GIMA code	Rolls for autoclave and ETO - flat	Minimum order
35810	Flat rolls 200 m x 50 mm	8 rolls
35811	Flat rolls 200 m x 75 mm	8 rolls
35812	Flat rolls 200 m x 100 mm	4 rolls
35813	Flat rolls 200 m x 150 mm	4 rolls
35814	Flat rolls 200 m x 200 mm	2 rolls
35817	Flat rolls 200 m x 250 mm	2 rolls
35815	Flat rolls 200 m x 300 mm	2 rolls
35816	Flat rolls 200 m x 400 mm	1 roll

GIMA code	Gusset rolls for autoclave and ETO	Minimum order
35871	Gusset rolls 100 m x 100 mm x 25 mm	4 rolls
35872	Gusset rolls 100 m x 150 mm x 25 mm	4 rolls
35873	Gusset rolls 100 m x 200 mm x 30 mm	2 rolls
35874	Gusset rolls 100 m x 250 mm x 32,5 mm	2 rolls
35875	Gusset rolls 100 m x 300 mm x 40 mm	1 rolls
35876	Gusset rolls 100 m x 400 mm x 40 mm	1 rolls



SELF-SEAL POUCHES

for sterilization by autoclave or ethylene oxide gas

Self-seal pouches consist of light green, polyester-polypropylene transparent film coupled to medical grade paper which permit steam and gas penetration during sterilization. **Steam and gas indicators change colour when exposed to sterilization.**

1. Reinforced corners to prevent dust from collecting near to the opening, reducing the risk of contamination during opening.
2. The laminated transparent film complies with the German standard EN 10/204. The medical paper conforms to the following standards: DIN 58953 (German), Pharmacopea 589 (French), pr EN 868-3 (European) and BS 6256 (English).
3. The chevrons allow rapid and correct opening.

4. These consist of one layer of laminated transparent film (special type polyester and copolymer polypropylene) and white damp-resistant medical Kraft paper, specially designed to assure a high anti-bacterial protection.
5. The heat-sealed lines (Multiline) are highly resistant and spaced equally; the external welding runs along the entire length of the pouch. Reels and pouches are certified and are manufactured according to international standards DIN 58953 and BS 6871, EN 868-5.

GIMA code	Flat pouches for autoclave and ETO	Minimum order
35880	Flat pouches 100 x 300 mm	1,000
35881	Flat pouches 150 x 200 mm	1,000
35882	Flat pouches 150 x 250 mm	1,000
35883	Flat pouches 150 x 300 mm	1,000
35884	Flat pouches 150 x 400 mm	1,000
35885	Flat pouches 200 x 300 mm	1,000
35886	Flat pouches 200 x 350 mm	500
35887	Flat pouches 200 x 400 mm	500
35888	Flat pouches 250 x 400 mm	500
35889	Flat pouches 250 x 500 mm	500
35890	Flat pouches 300 x 400 mm	500
35891	Flat pouches 400 x 600 mm	500

GIMA code	Self-seal pouches for autoclave and ETO	Minimum order
35860	Self-seal pouches 90 x 165 mm	1,800
35861	Self-seal pouches 90 x 230 mm	1,800
35862	Self-seal pouches 140 x 250 mm	1,200
35863	Self-seal pouches 190 x 330 mm	1,200
35864	Self-seal pouches 190 x 400 mm	1,200
35866	Self-seal pouches 300 x 450 mm	400

Barrycidal "30": a wide-spectrum disinfectant




Chemical composition
Active ingredients:
 - Alkyl (C₈H₁₇) -dimethyl benzil ammonium chloride: 9.75%
 - Disobutyl Phenoxy ethoxy ethyl dimethyl benzil ammonium chloride: 3.25%
Inactive ingredients:
 - Sodium nitrite: 4.5%
 - Propylenic glycol: 10%
 - Water: 72.5%
Italian Health Ministry authorization N° 3139

Code 35760 BARRYCIDAL "30" - acts in 30 seconds!

Dilution 1:100 ready for use. 1 l bottle with 10 cc measurer cap. In each box of 24 bottles are included 1 dispenser and 1 spray.

minimum order: 24 bottles

Code 35762 BARRYCIDAL "30" - concentrate  0373

Tube 225 cc. for approximatively 24 l.

Barrycidal "30" is a broad spectrum disinfectant.

Thanks to its high activity and non-toxic properties, it is an ideal germicide without problems of tolerability. It is active on gram positive and gram negative bacteria while it exhibits powerful microbiological action also on fungi, moulds and viruses such as HIV and HBV. Useful for skin disinfection and surgical instruments disinfection (15 minutes of immersion).

Disinfectant Powder 0546

Code 36640 GERMOCID PERACETIC POWDER - box of 500 g

Cold sterilizer disinfectant: the peracetic acid which forms from the reaction of hydrogen peroxide (which is obtained after dissolving the product into water) and tetracetylendiammina carries on an efficacious biocid action towards **spores, virus (HIV, HBV, HCV), bacteria, mycobacteria and fungi**. At the concentrations of 1.6% it carries on **sterilization in 10 minutes**. The product is active in 15 minutes from dissolution, solution remains active for max 24 hours. Suitable for a cold rapid sterilization and disinfection of endoscopes, surgical and dental instruments, transducer, etc. It can be used also with automatic washing machines for endoscopes. No environmental impact: once in contact with discharge water, it degrades immediately into acetic acid, water, oxygen.

English instructions. Made in Italy.

Chemical composition

100 g of product contain:	
Tetracetylendiammina	24.8 g
Sodium Perborate Monohydrate	50.094 g
Citric Acid (Anhydrous)	24.8 g
Sequestering	0.1 g
Antioxidizing	0.2 g
Dyes	0.006



Boxes for cold sterilization



35770



35772

Code 35770 STERILIZATION BOX - 1.5 l (26x12xh8 cm)

Code 35772 STERILIZATION BOX - 3 l (28x18xh10 cm)

Useful plastic box, with an internal removable perforated instrument tray, specially developed for cold sterilization of medical instruments. White colour.

Code 35772 is autoclavable. Made in Italy.

Multiclean spray

Chemical composition

Clorexidine digluconate	0.1 g
Benzalconium chloride	0.1 g
Ethanol	45 g
2-Propanol	15 g
Essential oils, coloration and depurated water	100 g
Appearance: green liquid	
Smell: characteristic pine	



Code 36615 MULTICLEAN SPRAY - 750 ml

Sold in box of 12 - only 2 bottles came with vaporizer. For disinfection and fast cleaning of every kind of medical surface materials which are not sensible to alcohol like arm, handle and different dentistry objects.

- **Disinfectant action:** the association between Clorexidine and Quaternary ammonium Salt and the high alcoholic content guarantee a large action spectrum towards:

- Bacteria gram+ gram fungus and virus HIV, HBC, HCV (HEPATITES B and C) **in 1 minute of contact.**

- Fungus, microbacteria and TBC in 5 minutes of contact. Strong detergent power and fast evaporation.

It is not disactivated by organic substances.

- **Bactericide, virucide and fungicide activity.**

Environment Disinfectant

Code 36617 ENVIRONMENT DISINFECTANT - tank of 3 litres

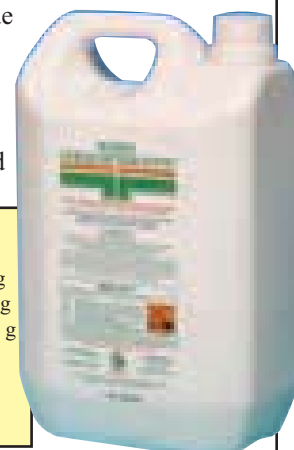
Concentrated liquid detergent-disinfectant for instruments and environments. Dilute it in water to a ratio of 0.5% for the disinfection and the cleaning of surfaces, counter, tiles, floors, sanitary fixtures, also using floor-washing machines. Suitable in large areas (hospitals, clinics, rest homes, gyms, swimming pools) for the disinfection and cleaning of surfaces.

- **Disinfectant action:** guarantee a wide protection against virus, fungus, bacteria gram+ and gram-.

- **Detergent action:** contains non-ionic surface active agents to enhance the cleaning of surfaces. Well tolerated on skin, do not swallow.

Chemical composition

100 g of product contain:	
Chloride of didecildimetilammonium	10 g
Isothiazolinomagnesium Chloride sol	0.2 g
Diluents and essential oils as needed for	100 g
Appearance: pale yellow liquid	
Smell: citronella	
Biodegradability: detergent according to rules	
CE n° 648/2004	



Hygienic gel

Code 36600 HYGIENIC GEL - 80 ml

No need of water to wash and clean your hands, dries up in few seconds.

Contains a hygienic agent with germicide and pleasant lemon flavour.

Made in Italy.

minimum order: 12 bottles

Place here your logo:
minimum 500 pcs.

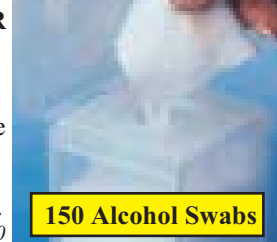


Alcohol Swabs/Pads

Code 36601 QUICKPAD DISPENSER

Convenient to handle and ideal for cleaning the skin before injections, blood checks, infusions... The fleece pads are saturated with 70% Isopropyl Alcohol. The tight fitting lid prevents evaporations. Size 50x50x80 mm contains 150 pads, size: 44x44 mm, sterilized by Gamma radiation. U.S. and International Patents FDA Reg. #8010920

150 Alcohol Swabs



Novalcol: Skin Disinfectant and Fungicide

Code 36610 - NOVALCOL - 250 ml

minimum order: 12 bottles

Code 36611 - NOVALCOL - 1 l

minimum order: 12 bottles

Code 36613 - NOVALCOL - 3 l

minimum order: 4 tanks

Multialcol can be used pure before and after the injection, or previously diluted in the ratio of 1:4 (1 part of Multialcol and 4 parts of water) in the preoperative cleaning of the patient (or for those confined to bed). Useful for disinfecting, cleaning and deodorizing rooms, floors, surfaces, tiles, sanitary facilities, etc. Multialcol is non toxic, non irritant and non inflammable.

It does not stain or hurt. Efficient against gram⁺, gram⁻ - virus.

Instructions on the bottle in English - Italian

Chemical composition

Didecylmethylammonium Chloride	100mg
O-Phenilphenol	20 mg
Isopropyl Alcohol	3.6 mg
Soluble essential oils of lemon	1g
Djestuff E124	0.2 mg
Deionized sterilized water as needed for 100 g	
Made in Italy.	

Italian Health Ministry
Registration PMC 13428



Oxygenated water

Code 36605 OXYGENATED WATER

(Hydrogen peroxide) - 250 ml

Code 36606 OXYGENATED WATER

(Hydrogen peroxide) - 1 l

Made in Italy.

minimum order: 12 pcs



Spray Disinfectant

Code 36620 GERMOCID SPRAY DISINFECTANT - 400 ml

36620

minimum order: 12 pcs

Spray disinfectant for environment, instruments and people, with high bactericidal power.

- Disinfects and deodorizes the air of crowded and smoky areas (hospital, classrooms, examination and surgery rooms, bathrooms, cars, trailers).

- Disinfects without burning

- Disinfects hands and injection area

- Active against the effects of perspiration

Instructions on box in English - Italian



Chemical composition

100 g contain: O-phenilphenol 20 mg; alkylbenzylleilammonium chloride 100 mg. Essential oils composition: isopropyl alcohol, propellers and other ingredients as needed for 100 g. Made in Italy.

Italian Health Ministry registration PMC 7604

Disinfectant Wipes

DISINFECTANT WIPES

Code 36625 - tube of 100 wipes

Code 36626 - box of 400 bags

Active against bacteria, virus and mycetes are ideal for children since they do not burn.

Indispensable in the house, the car, in sporting events.

Indicated for the disinfection of: insect bites - (applied on the skin as an insect repellent) - skin before and after injections - disinfection of hands and other body parts.

Instructions on the box in English - Italian

36626



Chemical composition

Each 100 g contains: Chloride of alkylbenzylleilammonium 0.5% - O-phenilphenol 0.01% - Alchil iso-chinolina bromide 0.2% - Scent excipient detergent (Alchil-poliglicolerere) and water as needed. Made in Italy.

Italian Health Ministry registration PMC 12671

Germocid Soap

Code 36630 GERMOCID SOAP - 1 l

minimum order: 12 pcs

Antiseptic liquid for disinfection of skin and hands.

It is studied for people who need frequent washing as surgeons, medical and hospital attendants. Made in Italy

Italian Health Ministry registration PMC 16161



Surgery Disinfectant

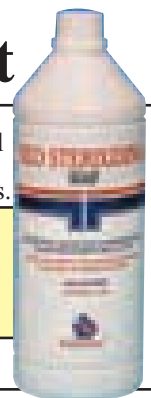
Code 36632 NEO STERIXIDINA SOAP - 1 l

Recommended for preparation of hands before surgical intervention and for complete washing of patients. Direct action towards bacteria gram⁺, gram⁻, virus.

Chemical composition

Each 100 g contains: Chlorhexidine digluconate 4 g - Lauryl dimetilamino oxide 5 g - Poloxen 25 g - Isopropyl alcohol 4 g - Parfum 0.25 g - Gluconic Δ lactone 0.6 g Colorants E124 0.005 g - Depurated water as needed for 100g.

Italian Health Ministry registration PMC 18980



Surgeon Brushes

Code 25719 SCRUB KIT - sterile

Sterile hand-cleaning hospital kit.
It includes a scrub,
a sponge and a plastic spatula
for cleaning nails.
Dry, without detergent.
Sterilization method: ETO
minimum order: box of 32 pcs

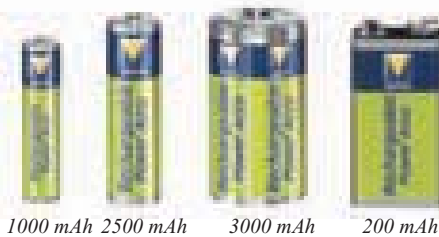


Sterilizable in autoclave

Code 25715 PERFECTION BRUSHES

Nylon brushes for cleaning before and after operation.
These brushes are autoclavable (at 100°C for not more than 5 minutes) and can be stored in any standard brush dispenser in hospitals. Resistant and reliable. Supplied in boxes of 12 units.

Rechargeable Batteries and Chargers



32240



Fast 15 min. charge for all major brands (32248)

32248

32245

GIMA code	Varta Power Play Rechargeable Batteries	Type	Blister	Min. order
32235	Varta ministilo	AAA	2 pcs.	10 blister
32236	Varta stilo	AA	4 pcs.	20 blister
32237	Varta half torch	C	2 pcs.	10 blister
32239	Varta 9V	9V	1 pc.	10 blister

GIMA code	Recharging Stations	Power supply	Sizes mm	Weight g	To be used with:	Recharging time	Supplied with:	12V cde adaptor
32240	Easy Energy multi charger	230 V	180x240x110	1022	AAA, AA, C, 9V	6-8 h	-	no
32245	Power play Plug charger	110 - 240 V	150x195x75	284	AAA, AA	2-4 h	4AA	yes
32248	Ultra fast Charger: recharge batteries from all major brands	110 - 240 V	181x265x70	336	AAA, AA	15 min.	4AA	yes

Alkaline, Lithium and Zinc-air "Acoustic" Batteries



32200



32201



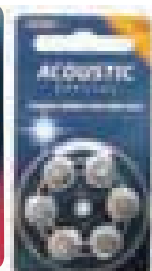
32203



32202



32211



32221



32220

FOR GENERAL USE APPLICATIONS

FOR ELECTRONIC

FOR ACOUSTIC

GIMA code	Varta Alkaline High Energy Batteries	Type	Blister	Min. order
32200	Varta ministilo H.E. - alkaline	AAA	4 pcs.	10 blister
32201	Varta stilo H.E. - alkaline	AA	4 pcs.	20 blister
32203	Varta half torch H.E. - alkaline	C	2 pcs.	10 blister
32204	Varta torch H.E. - alkaline	D	2 pcs.	10 blister
32205	Varta 9V H.E. - alkaline	9V	1 pc.	10 blister

GIMA code	Rayovac Alkaline Batteries - Bulk	Type	Box	Min. order
32202	Rayovac Stilo - alkaline	AA	24 pcs.	2 boxes

GIMA code	Varta Lithium Batteries - button	Blister	Min. order
32210	Varta 2016 - lithium button	1 pc.	10 blister
32211	Varta 2025 - lithium button	1 pc.	10 blister
32212	Varta 2032 - lithium button	1 pc.	10 blister

GIMA code	Rayovac Zinc-Air "Acoustic" Batteries	Blister	Min. order
32220	Rayovac 675 - zinc air - acoustic	6 pcs.	10 blister
32221	Rayovac 13 - zinc air - acoustic	6 pcs.	10 blister
32222	Rayovac 312 - zinc air - acoustic	6 pcs.	10 blister
32223	Rayovac 10 - zinc air - acoustic	6 pcs.	10 blister

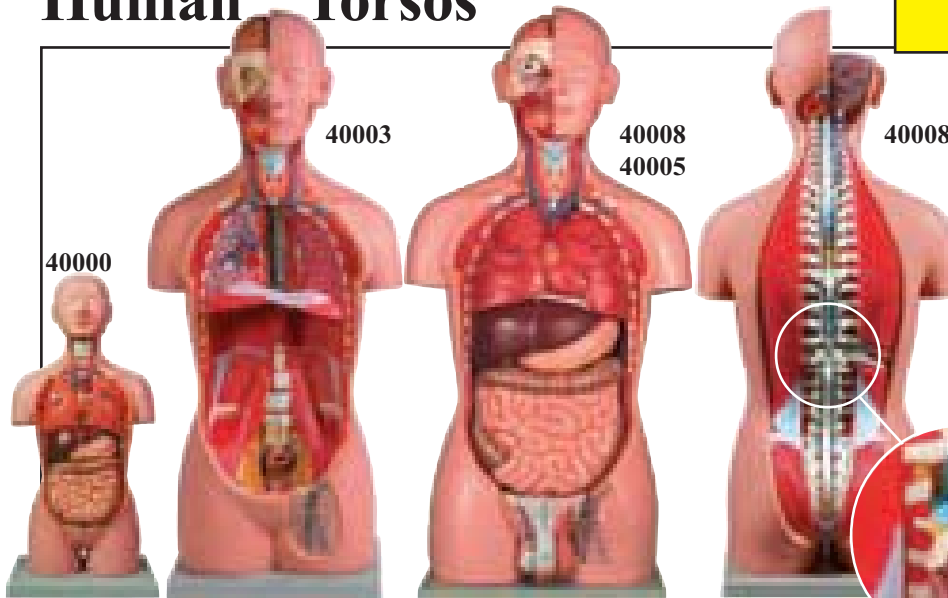
Doctor Office Tools - Promotional Gadgets

 <p>Code 50000 OPTICAL MINI MOUSE Ergonomic compact mouse with USB interface, 30% smaller than traditional mice, ideal for use with portable PC. It can be used with any kind of PC compatible with Win 95, 98, 2000, ME, XP, NT. Packed in single box.</p>	 <p>Code 50010 OPTICAL MOUSE Code 50020 WIRELESS MOUSE Ergonomic reliable optical mouse with USB interface available with standard cable or wireless. It can be used with any kind of PC. Compatible with Win 95, 98, 2000, XP, NT. Packed in single box.</p>	 <p>Code 50030 MOUSE PAD USB Large mouse pad with integrated USB 1-1 HUB with 4 USB sockets, to connect more devices to PC at the same time (mouse, printers, digital cameras...) Directly fits into PC by a 150 mm cable. Compatible with Win 95, 98, 2000, ME, XP, NT. Size 28x23x6 cm. Packed in single box.</p>
 <p>Code 50050 USB MEMORY - 512 MB Code 50051 USB MEMORY - 1 GB USB external memory flash drive. Compatible with Win, Mac OS, Linux. Supplied with installation CD-Rom, 1 m USB cable and neck strap. Material: plastic and aluminium. Packing: single paper box. Size: 6.4 x 2 x 0.8 cm</p>	 <p>Code 50060 USB SIM EDITOR USB device with special slot for phone sim card. Able to back up your sim card, modify telephone numbers list, Import-export data from Outlook & Lotus Notes by USB port. Compatible with Win 98,2000,ME,XP,NT. Material: ABS. Packing: single paper box. Size: 6 x 2.8x 1 cm</p>	 <p>Code 50200 DIGITAL CLOCK Multifunction Clock with large digital display and aluminium inserts. It shows date, time, day and temperature. Alarm function with 7 different tunes, timer with countdown. Battery: 2x AG10 included. Material: plastic and aluminium. Packaging: single paper box. Size: 10.7 x 6.5 x 10 cm</p>
 <p>Cod. 50070 WEBCAM PC-digital video camera with USB interface. Resolution 640x480 pixel (VGA), manual focus. Supplied with table fixing system and plastic clip for portable-PC screen. Compatible with Windows 98SE/2000/ME/XP. Installation driver and multilingual instructions.</p>	 <p>Code 50250 SOLAR CALCULATOR Desktop calculator with large 8-digit display, dual solar and battery operated. Battery: included. Size: 11 x 15 x 1.5 cm</p>	 <p>Code 50300 4 in 1 LASER POINTER PEN Multifunction metal pen with laser pointer, black ballpoint pen and plastic PDA stylus. Supplied with 3 extra button cell batteries and additional ink refill. Packing: Metal gift box. Battery: included</p>
 <p>Code 50100 HEART RATE MONITOR Digital device for sport and fitness heart pulse and calories counter. Compatible with other audio devices like CD player, MP3 player, radio in order to listen music during training session. Main functions: training session monitor with vocal report, heart pulse monitor, consumed calories count, chronograph, watch, alarm clock, calendary. Battery: included. Size 12.5x9x8.5 cm</p>	 <p>Code 50150 MP3 PLAYER - 1 GB MP3 and WMA files player with radio and voice recorder. USB 2.0 connection. 96x26 dot matrix display with blue backlight, icon interface, multi-language OSD. Easy download by 'drag & drop'. Song title will be displayed (patented MPEG system) with 5 standard equalizer set up (Normal, Rock, Jazz, Classic, Pop). More than 10 hours no-stop music. Battery: 1 x AAA included</p>	 <p>Code 50080 INTERNET USB PHONE It makes possible to have telephone calls using Internet connection (Voip). Compatible with Skype, SJ-Phone, X-Lite, MSN, Net2Phone softwares. Inner sound card 16 Bit. Plug & Play, charged by USB connection to PC. Battery: included. Size: 12x4.8x3 cm</p>

ALL PRODUCTS CAN BE PERSONALISED WITH YOUR LOGO - MINIMUM 100 PCS.

Human Torsos

Other models available see
www.gimaitaly.com
use code 40300



Some of the detachable parts of human torsos:

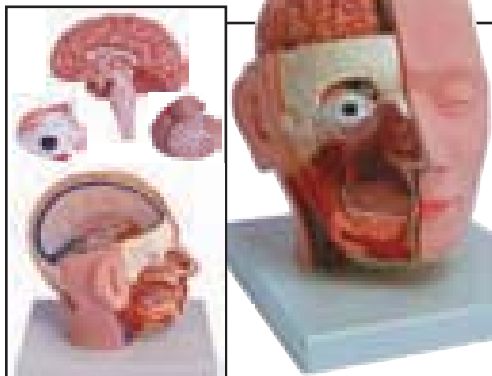


Removable structures, of codes 40005-8, include the following:

- eye with optic nerve and extraocular muscles
- half of the brain - trachea - descending thoracic aorta and esophagus - right and left lungs (two parts each) - liver with gallbladder - half of one kidney - two part heart - stomach dissected in two parts - pancreas, duodenum and spleen - small and large intestines - male and female urogenital systems (4 parts each) - thoracic vertebra (T12) with spinal cord (code 40008 only).

GIMA code	Human Torsos *Supplied with CD ROM guide	Size	Weight	Parts
40000	MINI TORSO	20x15xh45 cm	2.1 kg	16
40003	TORSO UNI SEX *	23x33xh90 cm	9 kg	16
40005	TORSO DUAL SEX*	23x33xh90 cm	9.3 kg	25
40008	TORSO DUAL SEX OPENBACK*	23x33xh90 cm	9.3 kg	27

Head



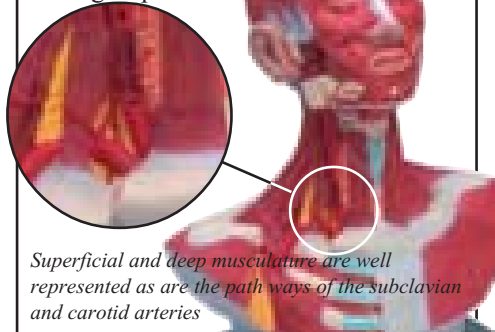
Code 40010 HEAD DISSECTION

Size: 18x25x23 cm - 140 g
- 4 parts - life size

Head Musculature

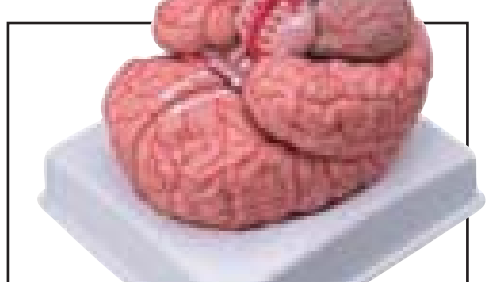
Code 40015 HEAD/NECK MUSCULATURE

Size: 37x23x46 cm
- 3.1 kg - 1 part - life size



Superficial and deep musculature are well represented as are the path ways of the subclavian and carotid arteries

Brain



Can be divided into 9 parts showing the temporal and occipital lobes, the frontal and parietal lobes, the cerebellum, the brain stem and basillary artery

Code 40020 BRAIN WITH ARTERIES

Size: 16x18x16 cm - 1 kg - 9 parts - 1X
- life size

Skin model



Anatomical structures are shown in details including the hair follicles, sebaceous, glands, sweat glands, erector muscles, Pacinian corpuscles, nerves and blood vessels

Code 40060 SKIN MODEL - 70X

Size: 25x18x28 cm - 1.5 kg - 1 part. - 70X

Shoulder Muscle

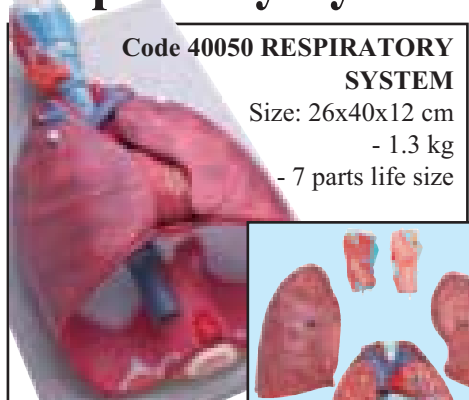
This model illustrates muscles, ligament and bones of the shoulder



Code 40016 SHOULDER MUSCLE

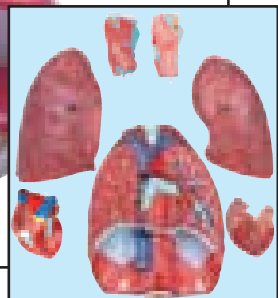
Size: 23x19x11 cm - 435 g - 1 part - 1X

Respiratory System



Code 40050 RESPIRATORY SYSTEM

Size: 26x40x12 cm
- 1.3 kg
- 7 parts life size



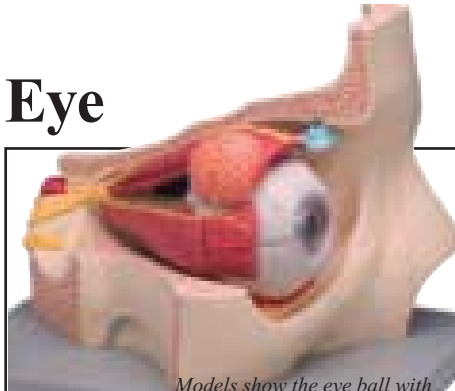
Eardrum with malleus, incus and stapes are removable

Ear Eye

40042

Cochlea and labyrinth with vestibular and cochlear nerves are removable

GIMA code	Ear sizes	Kg	Parts	Mag
40040	16x11x10 cm	0.2	3	1X
40042	33x23x21 cm	2	5	3X



Models show the eye ball with optic nerves and muscles in its natural position in the bony orbit

GIMA code	Eye with orbit sizes	Kg	Parts	Mag
40031	42x30x31 cm	3.2	4	5X
40033	42x30x31 cm	3.4	11	5X

Pelvis

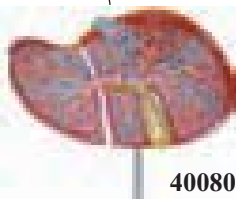
Half penis divided into medial and transverse sections, and half of the male reproductive system with an open dissection of a testis are removable

40105

GIMA code	Pelvis size	Sex	Kg	Parts	Mag
40100	25x16x27	fem	1.3	3	1X
40105	25x18x27	male	1.5	4	1X

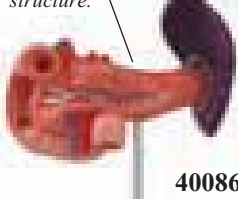
Digestive and Urinary Systems

This model shows a liver that is dissected to expose the internal distribution of arteries and veins, the portal vein and the bile duct.



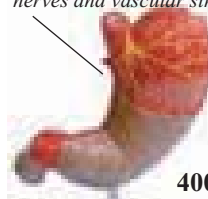
40080

This life size model is an accurate representation of the pancreas, spleen and duodenum. The pancreas is open to show the entire pancreatic duct. The duodenum is partially dissected to expose its internal structure.



40086

Can be opened to show the internal structure of the stomach, including the mucosa, the pylorus, and a section of the gastric wall. Superficial dissection exposes the longitudinal, circular and oblique muscle layers, with nerves and vascular structures



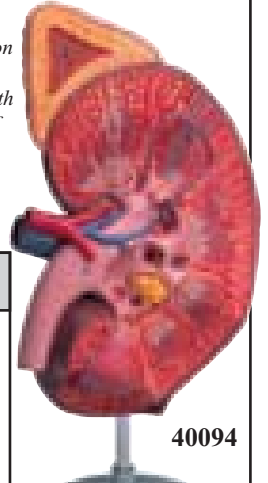
40088

Shows the male urinary bladder with the prostate gland surrounding the urethra



40090

The kidney is shown with the renal capsule. Additional structures include: the cortex, medulla, pyramids with papillae, partially dissected renal pelvis, renal calices, ureter, blood vessels, suprarenal gland with cortex and medulla. A schematic representation of the renal corpuscle with the system of collecting tubules is included

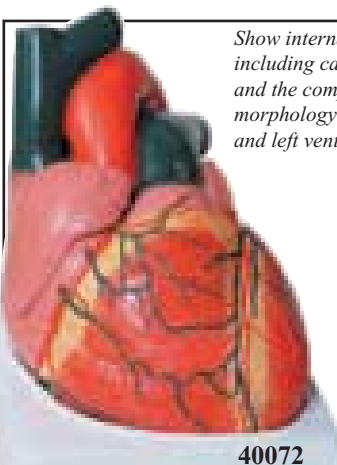


40094

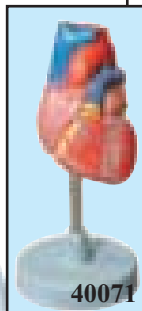
GIMA code	Products - all supplied with table stand	Size	Weight	Parts	Magnif.
40080	LIVER	15x26x12 cm	1 kg	1	1.5X
40086	PANCREAS, DUODENUM AND SPLEEN	16x15x23 cm	0.350 kg	1	1X
40088	STOMACH	16x14.5x5 cm	0.235 kg	2	1.5X
40090	MALE URINARY BLADDER WITH PROSTATE	27x20x15 cm	1.2 kg	1	3X
40094	KIDNEY WITH ADRENAL GLAND+RENAL CORPUSCLE	40x15x8 cm	1.2 kg	1	3X

Heart

Show internal structures including cardiac valves and the comparative morphology of the right and left ventricles



40072



40071

GIMA code	Heart sizes	Kg	Parts	Mag
40071	11x7.5x9.5 cm	0.23	2	1X
40072	24x25x28 cm	2.9	4	3X

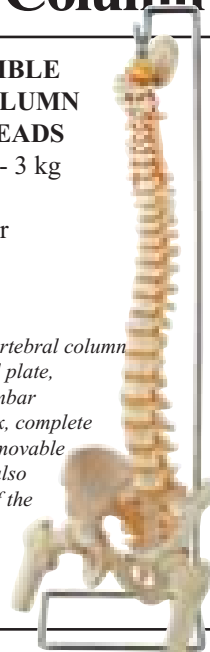
Vertebral Column

Code 40130 FLEXIBLE VERTEBRAL COLUMN WITH FEMUR HEADS

Size: 95x20x20 cm - 3 kg

life size - mounted on stand for hanging

A fully flexible life size vertebral column consisting of the occipital plate, cervical, thoracic and lumbar vertebrae, sacrum, coccyx, complete pelvis with symphysis, removable femur heads. The model also features representation of the vertebral arteries, spinal nerve branches, and a prolapsed L3-L4 intervertebral disc.



Skeleton

40120

40125

Main joints are articulated, upper and lower limbs can be removed

The left side of the skeleton (code 40125 only) shows the point of origin (red) and the point of insertion (blue) of the muscles.

Supplied with 5-caster roller stand and plastic dust cover.

Code 40120 HUMAN SKELETON
Code 40125 MUSCULAR SKELETON
Height: 170 cm Weight: approx 10 kg.

