

3 AND 6-12 CHANNEL DIGITAL ECG WITH HIGH RESOLUTION MONITOR

33334

33350

WITH INTERPRETATION



3 YEARS WARRANTY
made in Italy

Portable with small dimensions and light weight

Large, high resolution backlight Display: LCD 320 x 240 dots.

- 33334 CARDIOGIMA 3M - 1-3 ch. with interpretation
- 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
- Made in Italy.

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 31)	-
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 ±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
 Cmmr: > 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 ±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

CARDIOGIMA 1M - 1/3 CHANNEL ECG WITH PARAMETERS CALCULATION



33329

3 YEARS WARRANTY
made in Italy

- 33329 CARDIOGIMA 1 M - 1-3 channel ECG with monitor
- A real portable ECG with small dimension and light weight, with LCD monitor 128x64 pixel, high resolution thermal printer (8 dots/mm hardcopy, 1 channel real time) and parameters calculation. 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. Made in Italy.
- 33338 THERMAL PAPER 58 mm x 25 m
 - 33328 ECG CABLE - spare

STANDARD ACCESSORIES

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

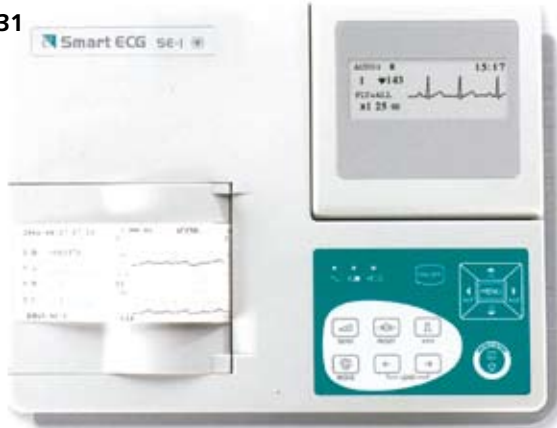
Power supply: internal rechargeable ni-cd batteries
 Operating voltage: 220V ±10%; 50 - 60Hz; 150mA max (110V - 60 Hz on request)
 Battery autonomy: 3 hours
 Applied part: CF type
 Input impedance: > 100 Mohm
 Frequency response: 0.05: 145Hz

Cmmr: > 100 dB time constant: > 3.2 s
 Acquisition: 12 bit 800 samples/sec/channel
 Leads: 12 standard or Cabrera
 Sensitivity: 5mm/mV; 10mm/mV; 20mm/mV ±5%
 Scrolling speed: 5mm/s; 10mm/s; 25mm/s; 50mm/s
 Signal memory: 10 sec for each lead
 Printer: thermal printer 8 dots/mm, paper 58 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: 1 Kg.
 Conformity standards: 93/42/CEE; EN60601-1; EN60601-1-2; IEC601-2-25 Made in Italy

SMART SINGLE AND THREE CHANNEL ECG

33331



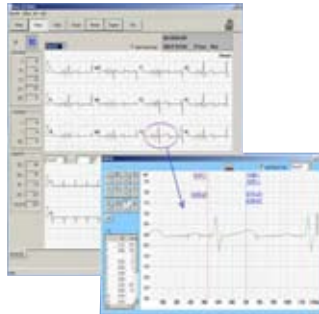
33332

Single and three channel with 12 channel display



PORTABLE ECG - 1 and 3 channel

- Complete digital design
 - Folding up LCD display waveforms, parameters configurable
 - High resolution thermal printing
 - Built-in rechargeable Li-ion battery, AC/DC supply
 - Complete digital filter, avoid baseline drift, AC, EMG interfere
 - Baseline automatic adjustable, optimize printing position
 - Auto/manual operation selectable
 - Lead-off detection and display
- Three channel ECG also features**
- 12 Lead simultaneous acquisition
 - Automatic ECG parameters measurement and analysis
 - Selectable printing format: Auto, manual, rhythm
 - Support USB ink-jet printer for 12 leads printing



TECHNICAL SPECIFICATIONS

	33331	33332
Input Circuit:	floating input circuit, protection from defibrillation and pace maker	
Lead :	Standard 12 leads	
Acquisition mode:	Single	12 leads simultaneously
Time constant:	> 3.2 s	
Sensitivity:	2.5, 5, 10, 20, mm/mV	
Input impedance:	> 10 MΩ	> 50 MΩ
Anti baseline drift:	Automatic	
Filter:	EMG Filter 35 Hz (-3 dB) AC/DFT Filter 50 Hz/60Hz (-20 dB)	EMG Filter 25Hz/35Hz/off DFT Filter 0.05/0.15 /0.25/0.5Hz Low pass filter 150Hz/100Hz/75Hz AC Filter 50 Hz/60Hz
CMRR:	>90dB	>100dB
Recording mode:	Auto/Manual	Auto/Manual/Rhythm
Rhythm lead:	Any lead selectable	
Safety standard:	IEC I/CF	
Power supply:	AC: 100V-115 V/220V-240V, 50/60 Hz Rechargeable Li-ion battery: voltage: switchable=14.4 V More than 3 hours continuously operation under battery supply	
Recorder:	Thermal printer	
Record paper:	50mmx30m	80mmx20 m
Paper speed:	25mm/s, 50 mm/s (± 3%)	5mm/s, 10mm/s, 12.5mm/s, 25mm/s
Dimension:	288mmx210mmx70mm	
Weight:	2.3 kg (with battery)	2.5 kg (with battery)
Display:	192x64 pixel LCD	320x240 pixels LCD (Wide screen)
Display language selectable	Eng - Ita	Eng - Ita - Spa - Fra - Russian
Interface:	RS232	Ethernet, RS232, USB

GIMA code	SMART ECG AND ACCESSORIES
33330	Smart SE-1 Single Channel ECG
33332	Smart SE-3 Three Channel ECG - interpretative
33336	ECG-Viewer Software (English and Italian)
33801	Thermal paper - roll 50mm x 25m for 33330 and 33305
33802	Thermal paper - roll 80mm x 25m for 33332/3 and 33306
33328	ECG cable - spare
33318	Rechargeable Lithium battery 600 mA H - spare

STANDARD ACCESSORIES

Patient cable	1 roll of paper
1 bottle of gel	4 limb electrodes
Manual: English, French, Spanish, Italian	6 chest limb electrodes
	Rechargeable battery

PALM ECG: CARDIO-A AND CARDIO-B - SINGLE CHANNEL



CE 1011

Backlight display

33261

4 MEASUREMENT MODES: PALM, LEG, CHEST, TRADITIONAL

PALM ECG are designed for general practitioners or for domestic use for users who may suffer of cardiovascular diseases such as hypertension, coronary heart diseases, giving them the possibility of a daily ECG. Records can be saved and used as a reference for clinical applications.

4 measurement modes: on palm, on leg, on chest or lead wire traditional measurement.

Main features:

- small, portable and easy to use
- 30 second ECG waveform and measurement result
- 24 ECG waveform can be saved in memory
- Analysis and report of 8 types (CARDIO A) and 17 types (CARDIO B) of ECG waveform
- USB interface with option data cable and ECG viewer software
- Traditional measurement with optional ECG cable

GIMA code	PALM ECG AND ACCESSORIES
33260	CARDIO-A palm ECG
33261	CARDIO-B palm ECG
33265	ECG viewer software+USB cable - optional
33264	ECG lead cable - optional



33260

TECHNICAL SPECIFICATIONS

	CARDIO A	CARDIO B
ECG bandwidth:	1 Hz - 40 Hz	
Heart rate measuring range:	30 - 240 bpm ± 2 bpm	
LCD back light display:	128x64 dot matrix	240x160 dot matrix
Display size:	49x25 mm	57,6x40mm
Power:	2XAAA batteries	
Dimensions	115x58x18mm	125x70x21,5mm
Weight	65g	106g

PC-ECG WITH INTERPRETATION SOFTWARE AND USB PORT

• 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
- 3D 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 in B/W or colour
- Software can be done in any language - minimum order 3 pieces.

• 33328 ECG CABLE - SPARE

• 33321 PC-ECG+CARDIOLOGY SOFTWARE

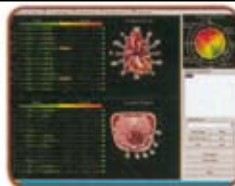
Same as code 33320 but with the following specialist functions: Timed vector-cardiograph (TVCG), Frequency ECG (FCG, particular technique to detect ischemia and CAD), High Frequency ECG (HFECG), SAECG (VLP) analysis (Signal Averaged ECG or Ventricular Late Potentials, time domain and 3D frequency domain), QTD analysis (QT dispersion) with chroma map, Heart Rate Variability (HRV) (time domain, 3D 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, XP and Vista CPU ≥ 1 GHz - HD ≥ 40 G - RAM ≥ 256 M

STANDARD ACCESSORIES

4 limb electrodes
6 chest electrodes
Patient cable 8 leads
USB pen driver
CD software
Ground cable
Banana plug



FCG 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

CARDIO XP 12 CHANNEL ECG WIRELESS OPTION

• 33303 CARDIO XP 12 CHANNEL ECG

• 33302 WIRELESS MODULE

High quality

- optional wireless patient module offers full freedom
- one-touch operation for analysis, storage and printing in 5 second
- ECG signal acquisition and interpretation of up to 12 leads for both adult and pediatric patients
- configurable report option for cardiologist
- multilanguage internal software (Eng-Ger-Rus-Ita-Spa-Fra-Chi-Kor)

User friendly

- Z-fold printer in A4 size prevent rolled paper problem
- versatile LCD mount support for rotation, tilt and wall mount
- 7 inch colour touch screen TFT (800x480) LCD monitor
- portable, lightweight design with rechargeable Li-ion battery (300 events)
- SD Card and USB port

Easy and fast typewriting by external USB keyboard (optional)

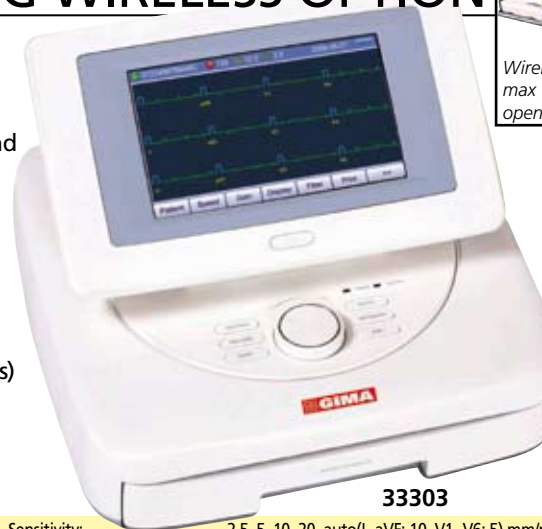
• 33303 THERMAL PAPER - box of 10 packs

• 33304 LI-ION BATTERY - 111 V - 4400 mAh - optional

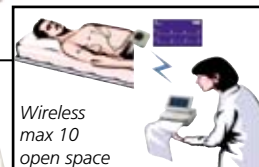
(capacity 3 hours - 300 ECG, charging time 8 hours)

TECHNICAL SPECIFICATIONS

ECG Acquisition:	Up to 12 leads for both adult and pediatric patients Base line drift, artifact, AC, and low and high pass frequency filters
ECG Memory and Transfer:	Storage memory for 120 ECGs, with easy transfer by LAN connection, SD card & USB memory
ECG Interpretation:	The cardiograph includes the 12-Lead algorithm for interpretive analysis of the amplitudes, durations and morphologies of ECG waveforms and associated rhythm for adult and pediatric patients This clinically proven interpretation program provides configurable levels of interpretive, reason and severity statements that are printed on the ECG report
User interface:	Touch screen (alphanumeric and symbol) Rotary push-knob(POP-UP menu)
Display:	800 x 480 pixel resolution. 7" Color TFT wide display 12 channels preview(3x4 or 6x2 channels)
Filters:	AC(50/60 Hz, -20dB or better) Muscle(25-35Hz, -3dB or better) Base line drift(0.1Hz, -3dB or better) Low pass filter(off, 40Hz, 100Hz, 150Hz)
Printer Resolution:	Thermal print head, Z-fold paper Report paper - width: A4(210mm) or Letter(8.5"), length: A4(300mm) or Letter(11") Resolution: 8dot/mm(0.125mm pitch)
Report Formats:	3 channels + 1 Rhythm, 3 channels + 3 Rhythm, 6 channels + 1 Rhythm, 12 channels Disclose (1 minute of continuous waveform data for 1 selected lead)



33303



Wireless max 10 open space



Optional wireless module

Sensitivity:	2.5, 5, 10, 20, auto(I-aVF: 10, V1-V6: 5) mm/m
Printing speed:	12.5, 25, 50 mm/sec
Patient data:	ID, name, age, birth, gender, height, weight, smoke, depart, race...
Basic measurement:	Heart rate, PR, QRS, QT/QTc, P-R-T axis
Battery Capacity (Li-Ion):	3 hour of normal use (approx. 300 ECG printouts) on 8 hours charge
ECG Storage:	Internal Storage for 120 ECGs built-in memory External Storage: SD Card or USB Memory
Time Constant:	3.2 sec
Input Impedance:	More than 10MΩ
CMRR:	Greater than 100dB
Line Power:	95 ~ 240 VAC, 50/60Hz, 60 VA max
Dimensions:	299 x 298 x 123 mm (11.8 x 11.7 x 4.8 inch)
Weight:	4.5 kg (9.9 lb)
Out Interface:	USB 1 : Host (Memory) SD card slot : SD card (memory) USB 2 : Host (Keyboard, printer) Serial port 1 / 2 : RS-232C (Patient Module, Spirometer, Wireless Pack) Ethernet : LAN (S/W Upgrade, Patient Information trans/receive) VGA : External Monitor (Holter, Stress System)

STANDARD ACCESSORIES

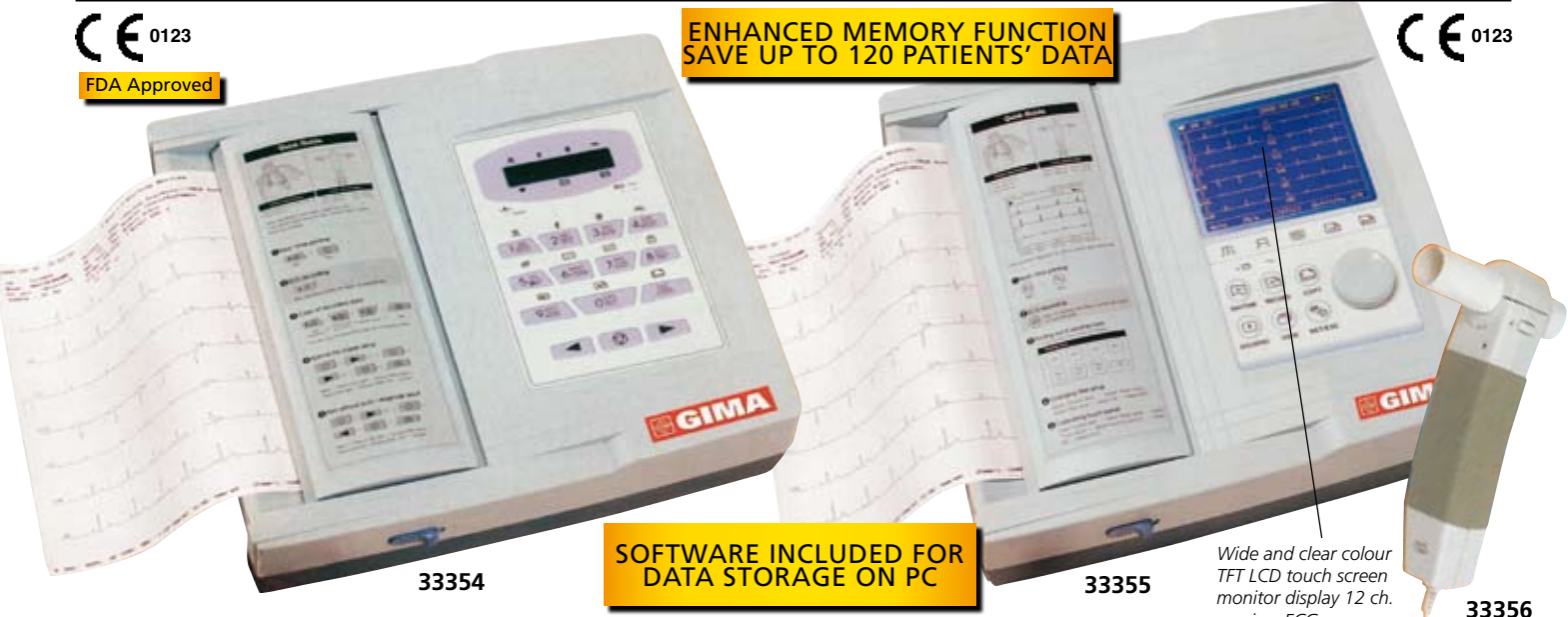
1 PC software (English/Italian)	4 ECG clip-on electrodes
1 Patient cable - 10 leads	6 Chest electrodes,
1 Power cable	1 Paper pack
Manual English/Italian	

MULTI CHANNEL ECG WITH INTERPRETATION ON PAPER



FDA Approved

**ENHANCED MEMORY FUNCTION
SAVE UP TO 120 PATIENTS' DATA**



33354

**SOFTWARE INCLUDED FOR
DATA STORAGE ON PC**

33355

Wide and clear colour
TFT LCD touch screen
monitor display 12 ch.
preview ECG wave

33356

• **33354 CARDIOGIMA 12 ECG - 3-6-12 channel**
 • **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. 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 (33355 in **only 5 seconds**) multilanguage, internal software+printing in English, Spanish, French, German, Russian, Italian, Chinese and Turkish.
- Wide Paper Printing (A4 size thermal paper, fax paper is OK)
- Combined output of all relevant curves, patient data, date, time and instrument settings
- Pacemaker and lead fault detect (only 33355)

- PC Connections

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



GIMA code CARDIOGIMA 12 AND 12M ACCESSORIES

29534	Rechargeable battery - for 33354/33355	
33358	Thermal paper A4 - for 33355	33355
33328	ECG cable for 33354-5	+
29519	Trolley for 33354-5	29519



• **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, FEV 200-1200 ml, FEV 25%, FEV 50%, FEV 75%, FIF 50%, PIF, FET 100%, FIVC.
SVC: SVC, ERV, IRV, TV, EC, IC, BC
MVV: RR, TV, MVV
 Pre and post bronchodilator comparison.
 Presentation: flow volume loop, flow time plot, measurement values table. Complies with ATS standard.

• **33362 DISPOSABLE MOUTHPIECES - box of 100 pcs.**

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.)
Printing speed:	Sensitivity: 2,5 (only 33355) 5, 10, 20, auto (I-aVF: 10, W1-V6: 5) mm/mV 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) 480x272 colour TFT LCD display (3 and 12 channel preview) (code 33355)
LCD display:	Sensitivity, speed filter status, HR, Printing form, rhythm lead
LED indicator:	signal quality, power source, battery
Patient data:	Keyboard: Membrane keyboard, alphanumeric and symbol available 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"
Electrical:	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: ≥ ± 500 mV Patient leakage current: < 10µA Frequency response 0,05-150 Hz
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 (approx. 100 automatic ECG printouts)
Communication:	PC Connection with RS-232 interface and lan
Safety:	Class I, Type BF
Conformity:	CE, CSA

Made in Korea

ECG CABLE COMPATIBLE WITH MOST ECG BRANDS

• **33328 ECG cable**

compatible with the following ECG machines:

BIONET: Cardiocare, Cardiotouch

CARDIOLINE: E1, E1R, E3, Delta 300, Delta 360 C3.

CARDIETTE (Elettronica Trentina): Autoruler 12/1, Autoruler 12/3, Excel 103, Excel 106, Astron Comp 1, Astron Comp 3, Astron Comp 6, Start 100 P, Start 100 H, Start 200, Start 200HV, AR600, AR 600

ADV, AR1200, AR1200, ADV.

CARDIORAPID CAMINA: K111, K112, K112, K33, K36, K300 M, K300 P, K600 P, K600 D, K130 B, K 130 D.

EDAN: Smart SE-1, SE-3

ESAOTE P80, P8000

GIMA: CARDIOGIMA 1M, 3M, 6M, 12, 12M

HP: Pagewriter 1513, 154B/C, 1514D, 1515A/B, 1517A.

KONTRON EKG P80

MACQUAIRE CT100, CT200.

NIHON - KOHDEN Cardiofax 651, 6581, 8110.

PROGETTI: all models

SHILLER AT/1, AT/2, AT/3, AT/4, AT/5, AT/6, AT/10, CS6, CS12, CS100, CV6, P80.



Other ECG accessories at page 150

CREAM, ELECTRODES AND ADAPTORS FOR MOST ECG

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



UNIVERSAL DISPOSABLE ECG ELECTRODES AND ADAPTERS		
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
33799	BURDICK Atria 3100/6100, quest	pack	210	300	200	yes	red	1
33800	Eclipse 400 BIONET	pack	107	140	200	yes	pink	25
33358	Cardiocare/Cardiotouch CARDIOLINE	roll	215	25	-	no	green	1
33804	Elan 1100	pack	112	100	300	yes	red	25
33805	Delta 30/60	roll	183	30	-	no	red	5
33806	Delta 1 plus	pack	60	100	300	yes	red	25
33808	Delta 1 plus	roll	60	30	-	no	red	50
33807	Delta 3 plus	pack	112	100	300	yes	red	25
33809	Elan stress EDAN	pack	210	280	200	yes	pink	1
33801	SE-1	roll	50	25	-	no	pink	60
33802	SE-3	roll	80	25	-	no	pink	30
33811	ELETTRONICA TRENITINA Autoruler 12/1, comp. 1x12	roll	50	30	-	yes	blue	50
33812	Start 100	roll	130	27	-	yes	blue	10
33813	Ar1200	roll	120	18	-	yes	blue	35
33815	ESAOTE BIOMEDICA P 80	roll	90	28	-	no	red	25
33816	P 80	pack	90	70	400	yes	red	25

GIMA code	ECG MANUFACTURER AND MODEL	Type	Width mm	Length	Sheet	Marker	Grid	Min. order
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	-	20
FUKUDA ME - FUKUDA DENSHI								
33820	Cardisuny 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, OPI 115 TE	pack	50	75	400	yes	red	50
33823	OP 112 TE, OPI 122 TE	pack	63	75	400	yes	red	50
GIMA								
33338	Cardiogima 3M, Gimaplay 1	roll	58	25	-	no	red	10
33352	Cardiogima 6M, Kenz 302	roll	112	23	-	-	red	10
HELLIGUE - MARQUETTE								
33835	Microsmart HEWLETT PACKARD	pack	90	90	390	yes	green	10
33840	Page Writer 100/200	pack	210	300	200	yes	red	1
33841	Monitor 40453 A KENZ	roll	50	30	-	no	red	50
33805	301 - 303/601 MACQUARIE	roll	183	30	-	no	red	5
33347	CT 100/CT 200 MARQUETTE	roll	57	13	-	no	green	10
33845	MAC PC	roll	108	23	-	no	pink	30
33846	Case 10-12-15 MORTARA	pack	215	280	300	yes	red	1
33850	Eli 50	pack	50	70	200	yes	pink	50
33845	Eli 100	roll	108	23	-	no	pink	30
NIHON KOHDEN								
33855	6101, 6151, 6501, 6511	pack	50	100	300	no	pink	10
PHYSIO CONTROL								
33820	Life Pack 9-10 SCHILLER	roll	50	30	-	no	red	5
33860	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
SIEMENS								
33822	Cardiostat 1	pack	50	75	400	yes	red	24
33823	Cardiostat 11	pack	63	75	400	yes	red	30

SONY PRINTER AND PAPER

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



- **33991 SONY COLOUR PRINTER UP-21 MD**
- **33992 SONY A4 COLOUR PRINTER UP-D77MD**

- **72730 SONY PAPER - UPP-110 HD - box of 5 rolls**
High density printing paper - 110mm x20 m
- **72731 SONY PAPER - UPP-110 HG - box of 5 rolls**
High glossy printing paper- 110mm x18 m
- **72732 SONY PAPER UPP-110S - box of 5 rolls**
- **72733 SONY PAPER UPP-110HA - box of 5 rolls**
- **72735 SONY COLOUR PAPER UPC-21L**
(4 ink rolls + 200 supports 144x100 mm)



SONY

GIMA VIDEOPRINTER PAPER



COMPATIBLE WITH MOST VIDEOPRINTERS

72721

- **72721 VIDEOPRINTER PAPER - roll 110 mm x20 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/MD 897	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

- **72740 MITSUBISHI PAPER LX65HM-CE**

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, cardiocographs, 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

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

RECHARGEABLE BATTERIES AND CHARGERS

GIMA code	VARTA POWER PLAY RECHARGEABLE BATTERIES	Type	Blister	Min. order
32235	Varta ministilo - 1000 mAh	AAA	2 pcs.	10 blister
32236	Varta stilo - 2500 mAh	AA	4 pcs.	20 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 multicharger	230 V	180x240x110	1022	AAA, AA, C, 9 C	6-8 h	-	no
32248	Ultra fast Charger: recharge batteries from all major brands	110 - 240 V	181x265x70	336	AAA, AA	15 min	4AA	yes



32240

32248

STEREODOP - PROFESSIONAL VASCULAR SYSTEM

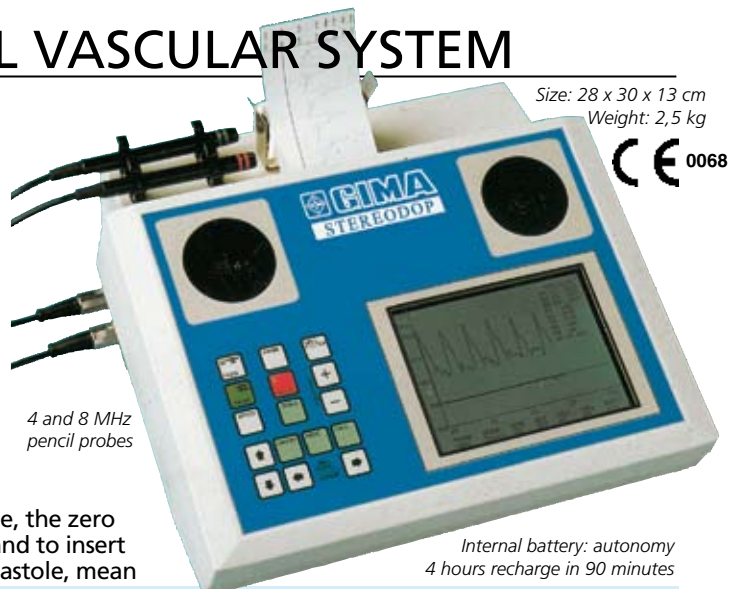
• 33235 STEREODOP with 2 pencil probes: 4 and 8 MHz

This is a continuous wave (CW) bidirectional stereo doppler with 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.

- 33237 STEREODOP PROBE 4 MHz
- 33238 STEREODOP PROBE 8 MHz
- 33250 THERMAL PAPER 58 mm x 25 m (pack of 5 rolls)



STANDARD ACCESSORIES

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

GIMA PORTABLE, BIDIRECTIONAL, VASCULAR DOPPLER

• 33230 GIMA BIDIRECTIONAL DOPPLER NON STEREO with two probes: 4 and 8 MHz.

Continuous wave (CW) bidirectional doppler 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.
- Hi-fi audio output for correct acoustic diagnosis

- 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)



POCKET DOPPLER WITH INTERCHANGEABLE OR FIXED PROBES

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

Lightweight only 350 g



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.

TECHNICAL SPECIFICATIONS

- | | |
|--|--|
| Ultrasound | Output |
| Frequency: 2, 5 or 8 MHz continuous wave | Headset: Audio output to optional headset (not included) |
| Transducer: 2 crystal narrow beam | Material: ABS / Noryl |
| Output power: <15mW/cm ² SATA | Size: 150 mm by 75 mm |
| Audio Response: 300Hz - 4 KHz | Weight: 299 g (with transducer) |
| Unit Controls | Classification: Class I Type B - IEC 60601-I |
| Keys: 1 Key (for unit on/off) | Warranty: 1 year - Made in UK |
| Controls: rotary volume | |
| Indicators: Yellow battery low LED | |
| Power supply | |
| Battery 9V Alkaline (not included) | |
| Expected battery life: >9 hours | |

TOP QUALITY: MADE IN UK

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 ECOLOURDOPPLER+4D

• **33980 ECOLOURDOPPLER - 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 4D

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

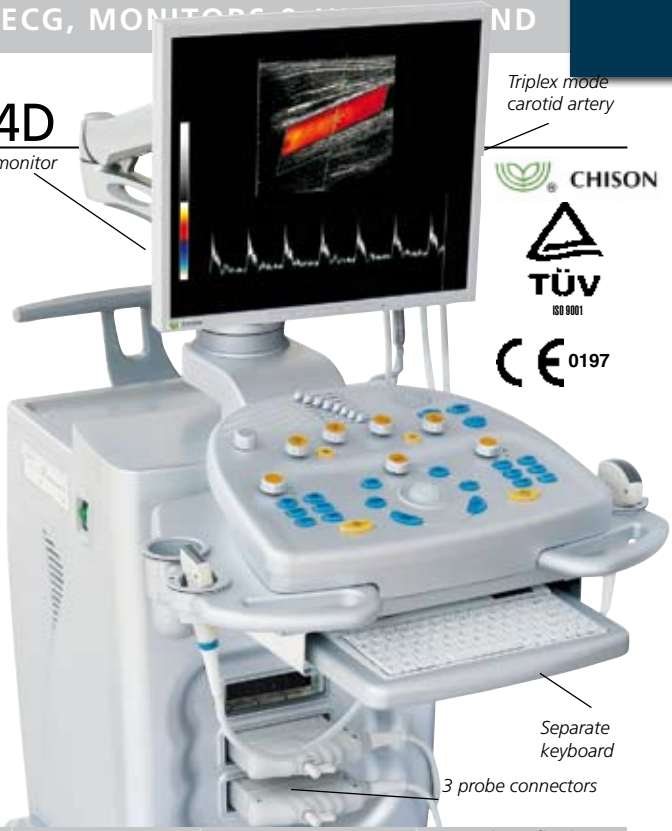
Continuously adjustable, 2-12 MHz

• **33981 ECOLOURDOPPLER + 4D**

Same as code 33980 but with 4D real time imaging composed of 3D pictures with the addition of live motion.

• **33990 MITSUBISHI CP900E COLOUR PRINTER**

• **33991 SONY UP-21 HD COLOUR PRINTER**



GIMA code	PROBES		FREQUENCY (MHZ)		Main application								
	Outlook	Scanning Method	Main freq.	4-Step Multi-frequency	ABDOMINAL	OB/GYN	UROLOGY	SMALL PARTS	BREAST	CARDIOLOGY	PROCTOLOGY	PEDIATRICS	VESSELS
33983		CONVEX	3.5	2.5/3.5/4.5/5.0	●	●	●	○	○	○	○	○	○
33984		LINEAR	7.5	5.0/6.0/7.5/1.0	●	●	○	○	○	○	○	○	○
33985		MICRO-CONVEX (TRANSVAGINAL)	6.0	4.5/6.0/7.0/8.0	●	●	○	○	○	○	○	○	○
33986		CARDIAC	5.5	2.0/2.5/3.0/3.5	○	○	○	○	○	○	○	○	○
33987		PEDIATRIC	5.5	3.5/5.0/6.0/8.0	○	○	○	○	○	○	○	○	○
33988		4D CONVEX		3.5/4.5/5.5/6.0	○	○	○	○	○	○	○	○	○

M5 PORTABLE COLOURDOPPLER

CE 0123

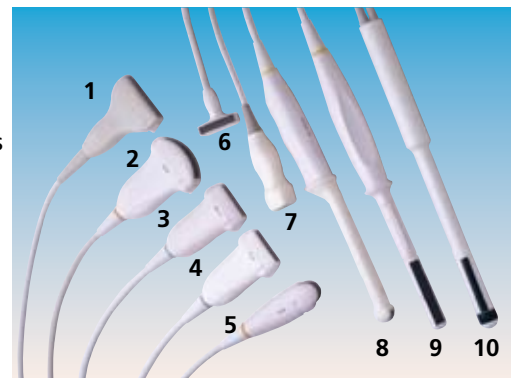


- **33080 M5 COLOURDOPPLER**
- **33081 M5 VET-COLOURDOPPLER**
- **33082 TROLLEY**

The M5, weighing 6Kg, delivers large-scale functionality and greater diagnostic confidence. Mindray is committed to best-in-class image quality and easy optimization tools as good as a much bigger system. The M5 integrates brilliant color imaging capability with uncompromised 2D performance. The Multi-beam Parallel imaging (MBP) increases temporal resolution and real-time frame rate, while collecting useful information to re-build high quality images. Image homogenization full fills the whole field up to 30cm deep.

The M5 offers complete imaging modes: 2D, M, PW, HPRF, CW, Color, Power and DirPower. Optional software modules (to be ordered with M5): CW (continuous wave Doppler) for more accurate cardiac diagnosis. Smart3D™ leads to vivid ultrasound healthcare, iScape View™ (panoramic imaging) and trapezoidal imaging expands to a wider field of vision.

High resolution 15 - inch TFT monitor with wide view of angle



GIMA code	M5 PROBES AND SOFTWARE MODULES	Fig.
33085	Convex array 3C5 _s	2
33086	Phased array 2P2 _s	7
33087	Micro convex array 3C1 _s	5
33088	Micro convex array 6C2 _s	5
33089	Micro convex endocavitary 6CV1 _s	8
33090	Linear array 7L4 _s	3
33091	Linear array 10L4 _s	4
33092	Linear array 7L6 _s	1
33093	Biplanar 6LB7 _s	10
33094	Endorectal array 6LE7 _s	9
33095	Intraoperative T-shaped 7LT4 _s	6
33096	CW continuous wave doppler	
33097	Smart 3D software	
33099	I-scape software	

B/W DIGITAL ULTRASOUND SYSTEM

• **33910 ULTRASOUND 8500** - supplied with two probes connector, trolley, ergonomic keyboard, cine memory 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 (2-10 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)

- **33968 FOOTSWITCH**
- **33967 SONY PRINTER UP-897MD**



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.



Multi-function knob for quick adjustment

2 probes connectors

GIMA code	PROBES		FREQUENCY (MHZ)		Main application								
	Outlook	Scanning Method	Main freq.	4-Step Multi-frequency	ABDOMINAL	OB/GYN	UROLOGY	SMALL PARTS	BREAST	CARDIOLOGY	PROCTOLOGY	PEDIATRICS	VESSELS
33914		CONVEX*	3.5	2.5/3.5/4.0/5.0	●	●							
33915		LINEAR	7.5	5.0/6.0/7.5/10.0				●				○	●
33916		MICRO-CONVEX (TRANSVAGINAL)	6.0	4.5/6.0/7.0/8.0			●					○	
33917		CARDIAC	3	2.0/3.0/3.5/4.5						●			
33918		TRANSRECTAL	7.5	5.0/6.0/7.5/9.0			●						



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

B/W 2D AND 3D ULTRASOUND UNITS



33971

910x550x1310 mm
80 kg



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



Professional software package



• **33970 ULTRASOUND 8800-2D** - supplied with three probes connector, trolley, ergonomic keyboard, cine memory and 14" SVGA monitor, without probes.

- Same as code 33910 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

• **33971 ULTRASOUND 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

- **33967 SONY PRINTER UP-897MD**



33967

GIMA code	PROBES		FREQUENCY (MHZ)		Main application								
	Outlook	Scanning Method	Main freq.	4-Step Multi-frequency	ABDOMINAL	OB/GYN	UROLOGY	SMALL PARTS	BREAST	CARDIOLOGY	PROCTOLOGY	PEDIATRICS	VESSELS
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						●			

For codes, 33910, 33970/71, 33080/81, 33980/81 we can provide full training in our facilities or in your facilities (Europe only).

DIGITAL PORTABLE ULTRASOUND

• **33900 DIGITAL PORTABLE ULTRASOUND 8300** supplied with 10" SVGA monitor and 2 probe connectors, CINE memory, 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

Image processing:

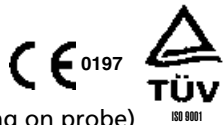
- Fully digital beamforming technology
- Real-time dynamic imaging: RDF, RDA, DFS, DRA
- Frame averaging: 8 steps
- Linear averaging: 8 steps
- 6 STC slides for near far and overall gain control
- Image reversing: left/right, up/down
- Zoom: intelligent zoom, 4 steps

Measurement and report

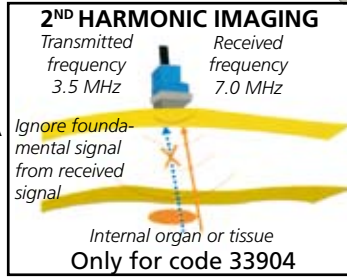
- B mode: Distance, circumference, area, volume, ratio, angle, %stenosis, histogram, profile
- Cardiology package: LV, mitral and aortic valve, CO, LVET, MVCF, SV, EF, cardiac index
- Software package: Abdomen, OB/GYN, Cardiac, Urology
- M mode: distance, time, velocity, heart rate
- EDD tables, gestational 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
- **33901 TROLLEY:** Modern design, height adjustable trolley, provided of 4 wheels with brake.
- **33967 SONY PRINTER UP-897MD**

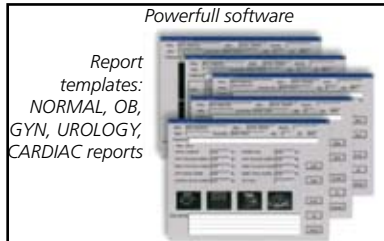


Back-light keyboard for better visibility in dark room



33900+33901+33967

GIMA code	PROBES		FREQUENCY (MHZ)		Main application								
	Outlook	Scanning Method	Main freq.	4-Step Multi-frequency	ABDOMINAL	OB/GYN	UROLOGY	SMALL PARTS	BREAST	CARDIOLOGY	PROCTOLOGY	PEDIATRICS	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 ULTRASOUND

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



• **33931 PORTABLE ULTRASOUND 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)

• **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	PROCTOLOGY	PEDIATRICS	VESSELS
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		●	○						



DIRECT DIGITAL RADIOGRAPHY (DR) SYSTEM

DIRECT DIGITAL RADIOGRAPHY (DR) SYSTEM

DR ranks among the most significant steps forward in medical imaging since Röntgen's discovery of the X-ray in 1895. As technology and practice drive toward total film less solutions, DR is taking over from conventional X-ray and Computed Radiography (CR) wherever possible. The widespread adoption of DR systems has been limited only by its high cost, that is until now. We are delighted to introduce the new Naomi DR system.

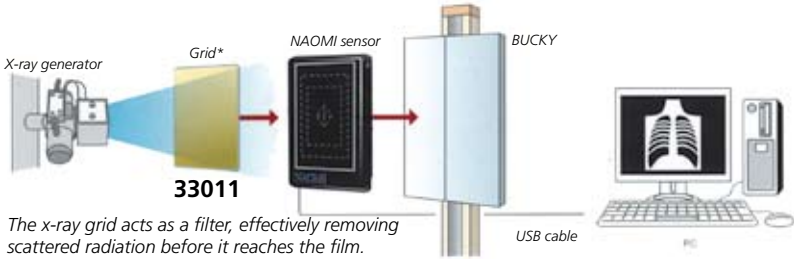
UNIQUE COST-EFFECTIVE CCD TECHNOLOGY

The Naomi capture-plate incorporates 192 versatile CCD detectors to produce a high-quality image – 48 megapixel / 4096 grey-scale – at a break through and affordable price.



LOW COST OF OWNERSHIP AND OPERATION

By eliminating the use of film and processing of conventional X-ray, the Naomi system not only saves money on consumables but also minimises labour and maintenance costs. Added to the increased productivity of producing an image ready for reading in 30 seconds, the Naomi solution can pay for itself in a matter of months (depending on volume).



TOTAL INTEGRATION WITH YOUR EXISTING EQUIPMENT

Doctors can use their existing equipments and x-ray generators. NAOMI occupies a small space in a clinic. Just replace the film cassette with the NAOMI capture-plate in the existing X-ray environment and connect to the PC through a USB cable. Now the X-ray system is digital!!

STEP 1 Instant stand-by STEP 2 Instant image acquisition STEP 3 Instant diagnosis



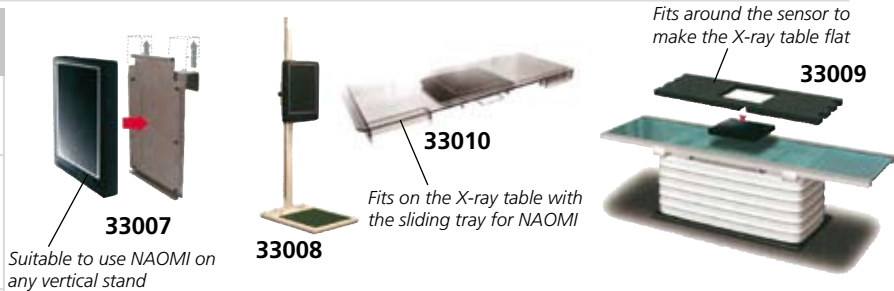
IMMEDIATE DIAGNOSIS

Doctors can immediately start diagnosis of the X-ray image for their patients right after the exposure. There is no waiting time for the processor to warm up or worrying about vestiges of the consumable materials. The short preparation time and immediate availability of X-ray examination are the main advantages for digital radiography.

DIGITAL IMAGE MANIPULATION AND MANAGEMENT

The NAOMI software (DICOM 3.0) provides easier digital image manipulation: from magnification of the area of interest, length and angle measurement, contrast adjustment, negative-positive inversion, horizontal/vertical rotation, and side-by-side image layout for comparison. It provides more information on a single image to support diagnosis from various angles. **DICOM software is included with NAOMI.**

GIMA code	DR. NAOMI SYSTEM
33000	NAOMI SYSTEM 20x25 cm - with software
33001	NAOMI SYSTEM 27x35 cm - with software
33002	NAOMI SYSTEM 35x43 cm - with software
33007	Bracket for upright bucky stand
33008	Upright radiography stand - 60x200x80 cm
33009	Protective cover
33010	Acrylic table top cover - sire on request
33011	Grid - ratio 10:1
33015	Monitor 20,1" - TFT - 2 mega pixel



TECHNICAL SPECIFICATIONS MONITOR 33015

LCD panel
 Technology: 20.1 inch, monochrome, TFT
 Display area: 16.06 (H) x12.04 (V) inch
 Native Resolution: 1600 (H) x1200 (V) Pixel
 Pixel pitch: 0.255 (H) x0.255 (V) mm
 Contrast ratio: 1000:1 (Typ)
 Maximum luminance: 700 cd/m²(Typ)
 Viewing angle: 170°
Input signal: Input Sync signal: DVI
Physical specifications
 Dimensions: 17.56 (W)x15.29-20.41 (H)x11.18 (D)inch (with the tilt stand) portrait:
 14.17 (W)x18.27-22.11 (H)x11.18 (D)inch
 Weight: approx, 16.72lb, w/o tilt stand
 Stand: Pivot, Tilt, Swivel, Height Adjustment Slide
 Mount: VESA FDMI (100x100mm)
Other features: backlight life 50,000 hours (minimum)



TECHNICAL SPECIFICATIONS NAOMI			
	33000	33001	33002
Active area (mm)	290x175	272x362	350x450
Size (mm)	320x305x60	444x494x62	474x589x62
Resolution	4608x3936	4608x5904	6144x7872
Resolution megapixel	18.14	27.20	48.37
Weight (kg)	5.2	5.4	8.8



MICRO INFUSION PUMP

• 35200 INFUSION PUMP

This pump using peristaltic method is a cutting-edge pump realizing high flow precision with compatibility with tubes of various pumps through ultrasonic bubble detection. Easy to operate and adjust, provide accurate and precise performances.

Main features

- **Light and compact design:** light as 3.5 kg, compact design, and easy to use.
- **Compatible with 3 brands of IV SET:** TERUMO (TS PA 200L), BD (A122), KOREAN VACCINE.
- **Flexible flow setting and easy operation method:** Flow-setting range of 1~1000 ml/h, 0,1~999,9 ml/h is available for wide range settings and dial type is easy to use for setting flow-volume.
- **Full program dosage feature:** it can calculate the right flow rate for a patient and inject promptly.
- **Easy recognition of alarm:** it notifies errors and emergencies with LED light and buzzer, simultaneous visual and audio alarm system.
- **Notifying remaining battery:** battery LED is attached to notify charged battery showing remaining battery and when to recharge.
- **Keep Vein Open feature:** when reached preset value, it converts to low flow speed of 3ml/h (when IV set is 15, 19, 20 drops/ml) or 1ml/h (when IV set is 60 drops/ml) automatically to prevent flow route clog due to blood coagulation.
- **Ultrasonic air bubble detector**

- English and Italian manual
- 35203 Ni-Cd BATTERY
- 26071 IV SET - box of 100

IV clamp included



TECHNICAL SPECIFICATIONS

Flow volume setting range

1~1000 ml/h (1 ml infusion interval)
0.1~999.9 ml/h (0.1ml infusion interval)

Flow volume error margin $\pm 5\%$

Infusion limit volume range
1~9999 ml

Total estimated volume range
1~9999 ml

K.V.O rate (Vein maintaing function)

15, 19, 20 sap sets-3ml/h, 60ml sap set-1 ml/h

Pump method Peristaltic method

Size (W xDx H) 100x190x250 mm
Weight 3.5kg

Rapid flow volume (Purge)

300 ml/h or more
Nurse call DC24V, 0.5A

Alarm features

Notifying bubble detection system error, IV set clog, FLOW ERROR, DOOR OPEN, vein maintenance, IV set EMPTY, error, infusion completion, and low voltage

Special features

injection memory, total infused volume removal, IV set brand selection, alarm sound volume UP/DOWN, dosage mode setting, occlusion error range setting, and display setting

Power

AC 110V / 230V, 50/60Hz and DC9.6V
inner source adapter DC24V / 1A

Maximum power consumption 15VA

Electric protection levels

Class II B, inner source device, CF type

Waterproof level IPX2

Battery type Ni-Cd

Battery using time
2-3 hrs. (when infusing 125 ml/h)

Battery charging time Minimum 6 hours.

Battery life approx 6 months

AUTO SYRINGE PUMP

• 35205 SYRINGE PUMP

Light and compact design syringe pump with easy syringe installing through one-touch method by slider hook, recognizing various information easily through graphic LCD. Very easy to operate and adjust.

Flexible flow volume setting.

Full program dosage feature: it automatically calculates flow rate by patient's weight, injection's mass and meltage.

Keep Vein Open (K. V. O.) feature: When reached to the preset value, it converts to low flow speed of 0.1ml/h automatically to prevent flow route clog due to blood coagulation.

Compatibility with 5 major brands of syringes: Syringe brand setting feature enables you 5 choose, from following syringe brands: BD, TERUMO, ARTSANA, PENTAFERTE, SUNGSHIM.

Alarm and notification feature: It notifies errors and emergencies with LED light and buzzer. Simultaneous visual and audio alarm.

Occlusion error range setting: You can set the pressure level of occlusion stage to High, Medium and Low by patient's age condition.

English and Italian manual

- 35210 Ni-MH BATTERY

Flow volume setting range

Syringe 10ml : 0.1-300ml/h
Syringe 20ml : 0.1-400ml/h
Syringe 30ml : 0.1-500ml/h
Syringe 50ml : 0.1-1200ml/h

Flow volume error margin $\pm 3\%$

Infusion limit volume range
0.1~999.9ml (0.1 ml infusion interval)

Total estimated volume range

0.1~999.9ml (0.1ml infusion interval)

K.V.O rate (Vein maintaing function)

0.1ml/h

Size (W xDx H) 220x130x108 mm

Weight 2 kg

TECHNICAL SPECIFICATIONS

Rapid flow volume(Purge)

Syringe 10ml : 300ml/h
Syringe 20ml : 400ml/h
Syringe 30ml : 500ml/h
Syringe 50ml : 1200ml/h

Nurse call DC12V, 1A

Alarm features

Notifying vein maintenance, system error, NEAR EMPTY, CLUTCH OPEN, SLIDER HOOK OPEN, low voltage and CLAMP OPEN

Special features

Temporary stop, total infused volume removal, Dosage Mode setting, occlusion error range setting, alarm sound

volume UP/DOWN, and menu setting

Power

AC 110V / 220V, 50/60Hz and DC9.6V
inner source adapter DC24V / 1A

Maximum power consumption 18VA

Electric protection levels

Class II B, inner source device, CF type

Waterproof level IPX2

Battery type Ni-MH

Battery using time 2 hours.

Battery charging time Minimum 6 hrs.

Battery life about 6 months.



IV clamp included



COLOUR MULTIPARAMETER MONITORS



Bed-rail hook
Ergonomic handle

Pacemaker detection indicated on ECG display

- 33718 GIMA BM3 MONITOR (7" - 800X480 - TFT display)
- 33719 GIMA BM3 VET MONITOR - VETERINARY

ECG+SpO₂+NIBP+RESP+TEMPERATURE

- GIMA monitors are configured with
- Heart/pulse rate
 - ST analysis, PVC count display
 - 3 lead ECG (5 lead optional)
 - Non-invasive blood pressure (NIBP)
 - Nellcor Pulse oximetry (SpO₂) - pitch tone
 - Impedance respiration
 - Temperature (sensor is optional)
 - Pacemaker detection indicated on ECG display
 - Battery and direct DC (18 VDC) input (not for recharge)
 - Built-in printer (58 mm)
 - 120 hours memory trend capacity
 - Remote alarm function
 - 20 alarm memory
 - wired or wireless LAN and HL7
 - Internal software selectable in English, Spanish, French, Italian, German.
 - User manual: English (on request: Italian, Spanish, French, German).

Angle of plate adjustable

Height of cart is adjustable



CE 0123 33725

Moving cart increase flexibility around the ward or department.

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

Battery status indicator - operating time 2 h - charging time 4h

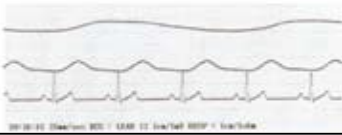


Easy mounting with bed-rail hook



Direct connection of external monitor

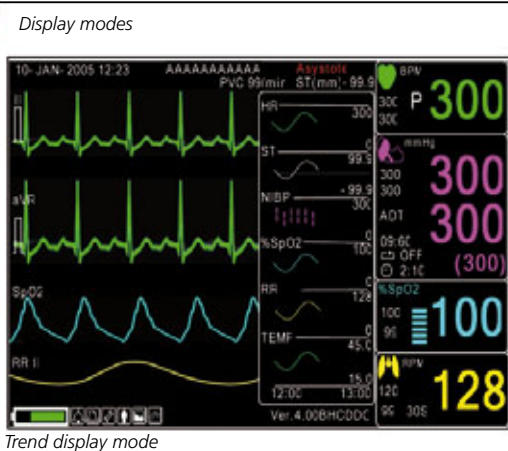
Printing sample



STANDARD ACCESSORIES	33718	33719
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	•	•



ST analysis display mode



Trend display mode

Large parameter display mode

PATIENT CENTRAL SYSTEM (up to 15 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.

- 33745 CENTRAL SYSTEM (PC, monitor and software)
- 33746 CONNECTION KIT (HUB + LAN cables)

You need one for any monitor to be connected.



33745

TECHNICAL SPECIFICATIONS

GENERAL

Display: 7" colour TFT (800x480)
 Dimensions/Weight: 238x250xh 163 mm/3.1 kg
 Indicators: Up to 4 waves (2x ECG, SpO₂, Respiration), categorized alarms (3 priority levels), external power LED, heart rate tone, battery status
 Thermal printer: 25, 50 mm/sec (paper width 58 mm)
 Battery: internal battery: Li-ion operating time: 2 hours (fully charged)
 Interfaces: LAN digital output for transferring data
 DC input connector: 18 VDC, 2.5 A 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
 ST level: yes
 PVC Count display: yes
 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: <4 s
 Arrhythmia analysis: VTAC/VFIB/ ASYSTOLIC
 Lead-Off Detection with display indicator

SpO₂
 % Saturation Range: 0% to 100%
 Pulse Rate Range: 0 to 254 bpm
 SpO₂ Accuracy: 70% to 100% ±2 digits
 Pulse Rate Accuracy: ± 2 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 hours
 Stat: Continuous measurement for 5 minutes
 Cuff pressure display: 50 to 300 mmHg
 B.P. measurement range: Systolic: 0 to 260 mmHg
 Mean Arterial Pressure: 30 to 220 mmHg
 Diastolic: 20 to 200 mmHg
 Adjustable Cuff Inflation Pressure
Respirations
 Range: 5 to 120 breaths/min
 Accuracy: ± 3 breaths/min
Temperature Unit
 Range: 15° to 45°C (59°F to 113°F)
 Accuracy: ± 0.1°C
 Compatible with: YSI Series 400 Temperature Probes

BM5 MULTIPARAMETER MONITOR WITH EXTENDIBLE PARAMETERS

- 33777 GIMA BM5 MONITOR - 10.4" TFT display - 7 ch ECG
- 33778 GIMA BM5 MONITOR - 10.4" TFT display - 12 ch ECG - from June 2009
- 33779 GIMA BM5 VET MONITOR - 10.4" TFT display

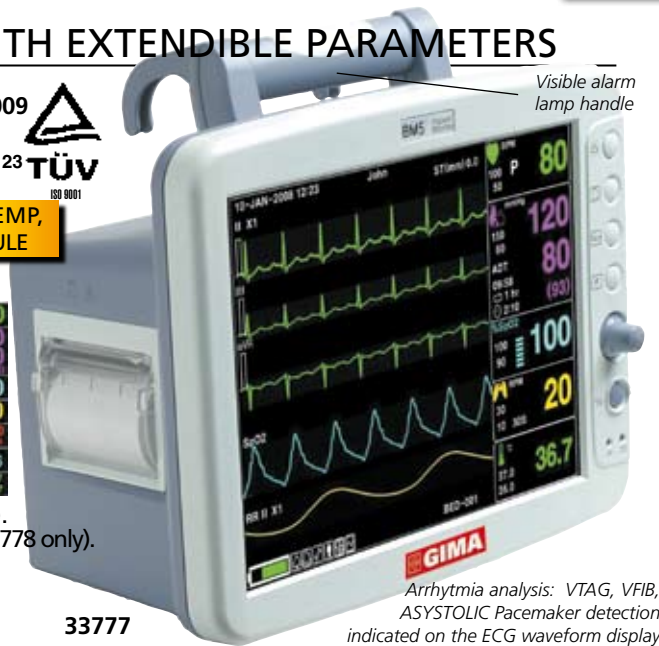
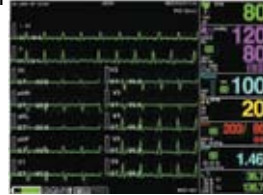
- High-performance ECG analysis
- ST level PVC count display
- 13 kinds of Arrhythmia analysis
- 7 or 12 channels
- 10.4" colour TFT screen with 6 waveforms
- Visible alarm lamp handle
- SpO₂ technology with very low-perfusion detection
- SpO₂ pitch tone
- 58mm built-in chart recorder
- Graphical and tabular trends of printing
- LAN or wireless LAN
- 120 full hours trend data stored
- Direct DC input for vehicle transport
- Li-ion battery with long life time
- Connection to central monitoring system
- Selectable software language (English, French, Spanish, Italian, German).

Standard accessories as BM3 monitor - see page 158 but with 10 leads ECG cable (33778 only).



ECG+SPO₂+NIBP+RESP+ 2 TEMP,
2 IBP + optional ETCO₂ MODULE

12 Channel display



Visible alarm lamp handle

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

GIMA code	TEMPERATURE, EtCO ₂ AND IBP KIT
33740	Temperature sensor exacon 2.75 m - skin type
33741	Temperature rectal sensor
33796	EtCO ₂ Sidestream module for 33777/8/9
33790	Intubated Filter Line H - adult - box of 10 for 33796
33791	Intubated Filter Line H - infant - box of 10 for 33796
33792	Non intubated CO ₂ nasal cannula - adult - box of 10 for 33796
33793	Non intubated CO ₂ nasal cannula - pediatric - box of 10 for 33796
33794	Non intubated CO ₂ +O ₂ nasal cannula - adult - box of 10 for 33796
33795	Non intubated CO ₂ +O ₂ nasal cannula - pediatric - box of 10 for 33796
33782	EtCO ₂ module (need battery 33798) for 33780 only
33798	Li-ion battery 11.1 V for EtCO ₂ module 33782 only
33787	IBP Kit - disposable - single
33788	IBP Kit - reusable (not autoclavable) - single
33789	IBP Kit - reusable (not autoclavable) - double

33790

Airway adapter set with dehumidification tubing for intubated adult



33792

CO₂ nasal cannula - pediatric



33794

CO₂+O₂ nasal cannula - adult



33791

Airway adapter set with dehumidification tubing for intubated Infants



33793

CO₂ nasal cannula - pediatric



33795

CO₂+O₂ nasal cannula - pediatric



TECHNICAL SPECIFICATIONS FOR MONITOR 33777 - 33778 - 33779 - 33780 - 33781

GENERAL		Hearth rate range:		Adjustable Cuff Inflation Pressure	
Dimensions/Weight:	270x185xh 250 mm/4 kg	10-lead: 3/12 channels (33779 only)	Adult: 30-300 bpm	Neonate/pediatric: 30-350 bpm	Respirations
Trace:	6 waveform (ECGx2, SpO ₂ , RR or EtCO ₂ IBPx2)	Hearth rate accuracy:	± 1 bpm or ± 1%, whichever is greater	Accuracy:	5 to 120 breaths/min
Indicators:	categorized alarms (3 priority levels), visual alarm lamp handle, heart rate, SpO ₂ pulse pitch tone, battery status, external power LED	Sweep speed:	6.25, 12.5, 25, 50 mm/sec	Apnea alarm:	yes
Thermal printer:	25, 50 mm/sec (paper width 58 mm)	Filter:	Diagnostic mode: 0.67-150 Hz	Temperature Unit	Range: 15° to 45°C (59°F to 113°F)
Battery:	Li-ion (2 hours operating time)	S-T Segment detection range:	Monitoring mode: 0.67-40 Hz	Accuracy:	± 0.1°C
Interfaces:	LAN digital output for transferring date, Nurse call system connection, defibrillator sync. output	Arrhythmia analysis:	Surgical mode: 5-25 Hz	Compatible with:	YSI Series 400 Temperature Probes
DC input connector:	12 to 18 VDC, 2.5A max	Diagnosis analysis:	- 2.0 to 2.0 mV	IBP	Channels: 2
Operating voltage:	100-240 V, 50-60 Hz	Pacemaker detection mode:	Asystole, Vtach, Vfib, Bigeminy, Accvent Couplet, Irregular, Pause, Pvc, Ront, Trigeminy, Vbrady, Shortrun	Measuring range:	0-300 mmHg
SpO ₂	% Saturation Range: 0% to 100%	Indicator on waveform display (user selectable)	120 kinds (33779 only)	Measuring accuracy:	± 1 mmHg (<100 mmHg)
Pulse Rate Range:	0 to 254 bpm	Protection: against electro-surgical interference and defibrillation		Pulse rate counting range:	0 to 300 beats/min
SpO ₂ Accuracy:	70% to 100% ±2 digits	NIBP		Zero balancing:	accuracy ± 1 mmHg
Pulse Rate Accuracy:	± 2 bpm	Technique:	Oscillometric with linear deflation	Transducer sensitivity:	drift ± 1 mmHg over 24 hours
ECG		Measurement Modes:	Manual-Automatic-Continuous	EtCO ₂	5µV/V mmHg
Lead type:	3-lead, 5-lead (33777-33780), 10-lead(33779)	Measurement range:	Adult pressure: 20 to 260 mmHg	Measurement mode:	Microstream
Lead selection:	3-lead: I, II, III (33777/79/80/81) 5-lead: I, II, III aVR, aVL, aVF, V (33780/1 only) 10-lead: I, II, III aVR, aVL, aVF, V1, V2, V3, V4, V5, V6	Cuff pressure display:	Pediatric pressure: 20 to 230 mmHg	Measurement range:	0-99 mmHg
(33779 only)		B.P. measurement range:	Neonate pressure: 20 to 120 mmHg	Respiration range:	0-150 bpm
ECG Waveforms:	3-lead 1 channel (33777/79/80/81 only) 5-lead: 3/7 channels (33777/79/80/81 only)		0 to 300 mmHg	Accuracy:	± 2 mmHg, 0-40 mmHg
			Systolic: 40 to 270 mmHg	Resolution:	± 5%, 41-76 mmHg
			Mean: 20 to 230 mmHg		± 10%, 77-99 mmHg
			Diastolic: 10 to 210 mmHg		± 1 breath per minute

ECG CABLES FOR MONITORS



GIMA code	ACCESSORIES FOR CODES 33718, 33719, 33720, 33721, 33722, 33723, 33724, 33780, 33781	ACCESSORIES FOR MONITOR BM3 and BM5	
		NEW (after 6/2006)	OLD (before 6/2006)
33711	3-lead patient cable kit (cable+snap connectors 33748)		
33712	5-lead patient cable kit (cable+snap connectors 33749)		
33726	3-lead patient cable kit (cable+snap connectors 33750)		
33728	5-lead patient cable kit (cable+snap connectors 33751)		
33727	3-lead veterinary cable kit (cable+3 clip connectors)		
33713	3-lead veterinary cable kit (cable+3 clips connects)		
33748	3-lead snap connectors for 33711 - spare - new		
33749	5-lead snap connectors for 33712 - spare - new		
33750	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 - old		
33753	Vet 5-lead clip type connectors for 33728 - spare - old		
33760	Vet 3-lead clip type connectors for 33713 - spare - new		
33761	Vet 5-lead clip type connectors for 33712 - spare - new		
33762	3-lead patient cable		
33763	5-lead patient cable		
ECG CABLES FOR 33777, 33778, 33779			
33764	3-lead patient cable kit (cable + snap connector)		
33765	10-lead patient cable kit (cable + snap connector)		
33766	3-lead veterinary cable kit (cable + clip connector)		

BM3 & BM5 MONITOR ACCESSORIES

GIMA code		ACCESSORIES FOR BM3 AND BM5							
33738	NIBP	Extension cable, 3 m (necessary for all cuffs)		33737					
33735		Adult cuff - 49x15 cm - need ext. cable 33738				33735			
33736		Child cuff - 35x11 cm - need ext. cable 33738					33736		
32848		Obese cuff 62x75.5 - need ext. cable 33738						32810	
33737		Kit of 3 neonatal cuffs - needs cable 33738							32811
32810		Mini cuff 16x5 cm - needs 33738+33739							
32811		Mini cuff 23x5 cm - needs 33738+33739							
33739	Metal connector (necessary for mini cuff)	33740							
33740	Temp		Temperature sensor exacon 2.75 m, skin type	33740					
33741			Temperature rectal sensor						
33743	Paper		Thermal paper 57.5 mm, 38 Ø		33742				
33742	Battery		Ni-MH 12V battery - up to january 2006** - BM3, BM3 Plus				33741		
33715			Ni-MH 12V battery - Since january 2006** - BM3, BM3 Plus					33715	
33717			Li-ion battery - Since sept. 2007** - new BM3, Plus, BM5						33717
33798		Li-ion battery 11,1 V - 6 cell for EtCo ₂ - for 33782 only							
33747	Adapter	AC adapter							
33744	Jack	Direct vehicle cigar jack (12 V dc)							

























** Date is approximatively. Please select battery on the base of picture and specifications

BM3 & BM5 SpO₂ SENSORS - NELLCOR COMPATIBLE

GIMA code		ACCESSORIES FOR BM3 AND BM5									
33733	SpO ₂	Extension cable*, 2 m (7 pin small SpO ₂ connector) up to 2005		33733							
33734		Extension cable*, 2 m (6 pin SpO ₂ connector) sold in 2005/6/7				33730					
33716		Extension cable*, 2 m (7 pin big SpO ₂ connector) since 2007					33732				
33730		Adult reusable finger probe Nellcor comp.						33755			
33731		Pediatric reusable finger probe - Nellcor comp.							33756		
33732		Vet reusable probe - clip								33757	
33755		Disposable infant probe - under 3 kg - Nellcor comp.									33734
33756		Disposable child probe - 3-15 kg - Nellcor comp.									
33757		Disposable pediatric probe - 15-45 kg - Nellcor comp.									

* Necessary for all probes. Please select correct one
** All probes are suitable also for OXY-9

SENSORS COMPATIBLE WITH BCI, NELLCOR, COMDEK

Sensor Picture	Socket Picture	GIMA code	Description	Recommended use	Patient range	Preferred application	Cable lenght	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	Extention cable	Reusable	-	finger or toe	150 cm	1 pc.	34286, 34290, 34291, 33702 34293, 34294	BCI - Comdek
		34288	Extention cable	Reusable	-	finger or toe	150 cm	1 pc.		Nellcor - Bionics
		34283	Adult probe	Reusable	over 40 kg	finger		1 pc.	34281, 33290, 33291	Nellcor - Bionics
		33288	Adult probe	Reusable	over 40 kg	finger		1 pc.	33280, 33281	Bionics (BPM-300 only)
		33708	Vet probe	Reusable	VET	tongue	145 cm	1pc.	33703	BCI - Comdek