

Combination Therapy

Ordering Details

Intellect Advanced Therapy (Colour Series)

CHA 2762CC – Intellect Advanced Colour Combo

Complete with Standard Accessories

- *CHA 2771-** sEMG and sEMG+ Electrical Stimulation Module
- CHA 27469-** Patient Interrupt Switch
- CHA 27465-** Patient Data Cards (5x)
- CHA 27335-** 5 cm² Applicator
- CHA 10648-** Nylatex Wrap
- CHA 79967-** 6 x 8 cm carbon electrodes (4x)
- CHA 79970-** 6 x 8 cm sponges (4x)
- CHA 77725-** Intravaginal Probe
- CHA 42061-** DuraStick 3 cm round Electrodes (4x)
- CHA 4248-** Ultrasound Gel
- CHA 27455-** User manual on cd

Optional Accessories

- *CHA 2767-** Battery Module
 - *CHA 2766-** Laser Therapy Module
 - *CHA 2770-** Channel 3/4 Stimulation Module
 - *CHA 2785-** Vacuum Electrode Module
- *Refer to page 12 or full list and pricing*

- CHA 2774-** Vacuum Module w/therapy System Cart
- CHA 2768-** Patient Data Management System [incl. PC software, card reader, EMG storage card, Patient Data Cards (5x)]

- CHA 27333-** 1 cm² Applicator
- CHA 27334-** 2 cm² Applicator
- CHA 27336-** 10 cm² Applicator
- CHA 27468-** Intellect Advanced Carrying Bag

- CHA 27508-** Operator Remote (Ch 1/2)
- CHA 27079-** Operator Remote (Ch 3/4)
- CHA 2775-** Therapy System Cart

See pages 21 & 22 for full list and pricing

Clinically convenient, the Intellect Advanced Therapy System provides all the necessary tools in one package to maintain efficiency in the clinic and improve patient care.

Dual Channel EMG/Biofeedback Combination Therapy

Interferential

- Four Pole
- Manual Vector Scan
- Two Pole (Premodulated)

Russian

Direct Current

Monophasic

TENS

- Asymmetrical Biphasic
- Symmetrical Biphasic
- Alternating Rectangular
- Monophasic Rectangular

IONTOPHORESIS

VMS

- Continuous
- Cycle timed
- Burst

Diadynamic

Ultrasound

- 1 and 3 MHz
- Head Contact Control
- Pulsed Repetition Freq.
- Electronic Signature

S/D CURVE

Technical Specifications

Weight: 3.2 kg

Dimensions: (LxWxH) 33 x 24 x 29 cm

Electrical Safety Class: Class I, Electrotherapy Type BF, Ultrasound Type B

Safety Tests: IEC 60601-1, IEC 60601-1-2, IEC 60601-2-10, IEC 60601-2-5 (combination units)

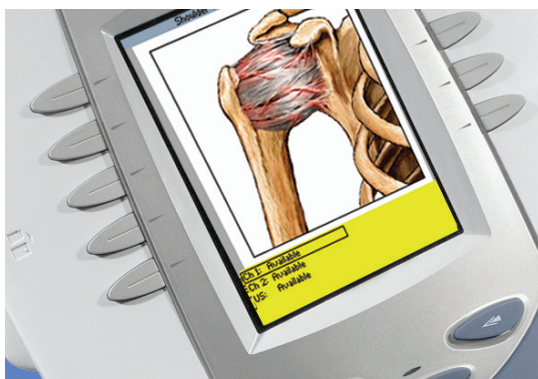


Intellect® Advanced Therapy (Colour) System

The only Combination Electrotherapy available in a single unit

Some of the unique features found on board these electrotherapy units

◆ Clinical Libraries



Multiple current types

◆ Clinical Protocols System™



Dual Channel EMG / Biofeedback

CLINICAL EMG

Dual Channel Electromyograph

Clinical EMG

New clinical dual channel EMG offering easy operation and large, bright bar graph displays which are easily visible from several metres making this the ideal clinical EMG

Features

- On/Off power button: Soft touch power On and Off control.
- Dual Bargraphs: Bright 35 Segment LED bargraphs for displaying EMG voltage in 'analog' format, visible several metres away from unit.
- Threshold Dials: Rotary dials for quick and intuitive adjustment of threshold levels.
- Training Bargraphs: A 35 Segment LED bargraph, shows Work/Rest cycle, and can be used as a 'follow me' training aid.

- Select button: selects therapy parameters for data entry.
- Set-Adjust Dial: data entry encoder - rotate clockwise for increase, or conversely for decreasing data.
- Set-up Indicators: The six Set-up indicators are arranged in order for getting started quickly.
- Therapy Start/Pause button: To Start and Pause therapy.
- Statistics Indicators: After the treatment has concluded, treatment statistics can be viewed simply by scrolling back and forth through the Statistics Indicators.

ORDERING DETAILS

CODE	DESCRIPTION
EMG 100	Dual Channel Electromyograph

Supplied with the following accessories:

180240	Electrode Cable (Blue) x 1
EMG 25	Reference Cable (not shown) x 2
MA1002	1 x Mains Lead
Self-Adhesive 2mm connectors electrode	
Instruction Manual	

OPTIONAL ACCESSORIES

CODE	DESCRIPTION
TRL 110	Trolley 3 Shelf
EM 1717	Pre gelled EMG Electrodes (25 per pack)
EM 1030	Pre gelled EMG Electrodes (25 per pack)
EM 2300	Pre gelled EMG Electrodes (25 per pack)

CLINICAL EMG SPECIFICATIONS

MAINS SUPPLY REQUIREMENTS:

Voltage	110/220/240 Volts AC
Frequency	50/60 Hz
Power	65 VA

FUSES:

Primary external	2 of 1 A 5 x 20 mm DA205 Delay
Secondary internal	1 of 2A 5 x 20 mm M205

MAINS STEP-DOWN TRANSFORMER:

Integrated switch-mode power supply complying with international standard IEC 601-1: 1988 (EN 60601-1) and all subsequent amendments.

Secondary voltages 24 Volts @ 1.7A

EMG INPUTS:

Input Amplifiers	Differential Input
Input Impedance	> 1 Megohm
CMRR:	> 130dB
Signal to Noise Ratio:	60 dB
Notch filter:	50 or ^65 Hz
Voltage Ranges:	0 uV to 1000 uV
Frequency Range:	10 Hz +/- 3 Hz @ 80 dB/Dec (Butterworth) to 450 Hz +/- 40 Hz @ 40 dB/Dec (Butterworth)

Rectification:	Full wave
Nyquist Filter:	70 Hz +/- 7 Hz @ 40 dB/Dec (Butterworth)
ADC Sampling:	2 x Over-sampled
ADC:	10 bit ADC

EMG Display

Channel Displays:	35 Segment LED Bargraphs and four LED numeric displays
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Display refresh rate:	5 Hz +/- 10%
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Treatment Timing

Work/Rest Trials:	1 to 99 trials
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A trial expiration a one second audible alarm sounds and statistical functions stop

Work time:	1 to 99 seconds +/- 2%
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Rest time:	1 to 99 seconds +/- 2%
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EMG Statistics (Both Channels)

Work Average: Arithmetic mean of EMG channel during work period in microvolts.

Rest Average: Arithmetic mean of EMG channel during rest period in microvolts.

Work Standard Deviation: Standard Deviation (using n-1 method) of EMG channel during work period in microvolts.

Work Peak: Maximum sampled value of EMG channel during work period.

Average Onset time: Arithmetic mean of time taken from the start of the work period until the EMG channel to reaches 75% of previous work period peak.

Average Release time: Arithmetic mean of time taken from the start of the work period until the EMG channel to reaches 37.5% of previous work period peak.

Training Profile (Work Period)

Rise time:	0.5 second (default)
Hold time:	Work time - (Rise time + Fall time)
Fall time:	0.5 second (default)

Note: Rest period is defined by Rest time.

DIMENSIONS:

Width	240 mm
Height	120 mm
Depth	254 mm

WEIGHT:

Packed	3 kg
Unpacked	2.5 kg

ENVIRONMENTAL CONDITIONS:

Operating:	Temperature Range 10 - 40 C Relative Humidity 30% - 90%
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Transport & Storage:	Temperature Range 0 - 70 C Relative Humidity 10% - 100%
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ELECTRICAL SAFETY:

Manufactured to Standards:
EN60601.1 (1998) Approval and Test Specification Medical Electrical Equipment

Part 1: General Requirements
EN60601.2.40 (1998) Medical Electrical Equipment Part 2.40: Particular requirements for safety - Electromyographs and evoked response equipment

Applied Parts:	Patient Electrodes
Applied Parts Classification:	BF
Device Classification:	Class 1 Equipment
Conformity:	Complies with Medical Device Directive (CE)

Pelvic Floor Exercisers



PFX2

THE PFX2 & PFXA PELVIC FLOOR EXERCISERS PROVIDE INSTANT FEEDBACK FOR MEN AND WOMEN DOING THEIR PELVIC FLOOR EXERCISES.



PFXA

PFX2

The PFX2 (for women) helps take the uncertainty out of pelvic floor exercises. After the birth of the first baby, many women suffer some degree of incontinence. And more babies don't help! Intercourse can be less pleasurable because of the enlarged vagina. Scientific studies have proven the effectiveness of pelvic floor exercises. If you have ever tried to do pelvic floor exercises and wondered whether you are doing them properly (or at all!) wonder no more! The PFX2 gives you visual feedback to show you that you are doing the exercises and achieving something. How does it work? An indicator gives feedback from a vaginal sensor showing the strength of the contraction of the pelvic floor muscles.

THE PFX2 KIT contains:

- The PFX2 Indicator
- The vaginal sensor
- The 80cm (31inch) connecting tube
- A Handbook with comprehensive instructions.

PFXA (anal sensor)

This product is useful for women suffering from fecal incontinence (and also from uncontrolled flatulence) and also for men suffering the same conditions. Men suffering from urinary incontinence post prostate surgery may also use this product for biofeedback to help regain control.

In operation, air pressure in an anal sensor produced by a pelvic floor contraction is transferred by a tube to the PFX Indicator Unit where its strength is displayed on a 0-12 scale.

PFXA is a high quality product that is recommended by Colorectal Surgeons, Nurses, Physiotherapists and Stomatherapists in many countries for use by those who would benefit from feedback when performing pelvic floor exercises.

THE PFXA KIT contains:

- The PFXA Indicator
- The anal sensor
- The 120 cm (48 inch) connecting tube
- A 14 page Handbook with comprehensive instructions.

PFX2 & PFXA is a long term investment in fitness and good health.

ORDERING DETAILS

CODE	DESCRIPTION
PFX2	PFX 2 with vaginal probe
PFXA	PFX A with anal sensor

Peritron 9300

The Peritron is a hand held high tech clinical perineometer intended for assessing the strength of Pelvic Floor (PF) muscles and teaching pelvic floor exercises. As a precision perineometer for accurate assessment and super sensitive feedback, It can be used with either anal or vaginal sensors. The vaginal sensor can be inflated, thereby increasing the diameter and the firmness. This is useful when training the PF muscles for much greater strength.

The reading is very accurate in cm/H₂O, and gives a reading of a much weaker contraction. For this reason the Peritron is the preferred option in a clinical and research setting.

In operation, air pressure in the sensor caused by a pelvic floor contraction is transferred by a tube to the Readout Unit where it is displayed in several ways.

ORDERING DETAILS

CODE	DESCRIPTION
9300V	Peritron with vaginal sensor
9300A	Peritron with anal sensor



Peritron (Vaginal Sensor)

TECHNICAL

Peritron 9300 is a microprocessor-controlled Perineometer that measures the strength of pelvic floor muscle contractions by sensing the pressure of air in a vaginal or anal sensor. The pressure is displayed either numerically in centimetres water pressure or as a multi-range analogue bar-graph.

Peritron is supplied in a moulded case with sensor, connecting tube and handbook. There are two versions:

- Peritron 9300V incorporates a vaginal sensor
- Peritron 9300A incorporates an anal sensor

Operating Range	• 0-300 cm water pressure
Accuracy	• 95% of readings are exact. 5% are exact ± 1 cm
Numerical Readout	• Large Liquid Crystal Display shows contraction strength in cm water pressure
Analogue Readout	• Auto-zero function provides zero-based readings
Vaginal Sensor of 9300V	• Recalls Peak and Average readings and the Duration
	• Three-range bar-graph display for exercise feedback
	• 26-28 mm dia, 55 mm long, active surface, 108 mm overall with thin wall, precision moulded medical-grade silicone rubber sheath
	• 80 connecting tube with port for optional inflation to 100cm water
Anal sensor of 9300A	• 15-19 mm dia, 30 mm long, active area, 30 mm dia flange, 80 mm overall with medical grade silicone rubber sheath
Carry case	• 120cm connecting tube
Auto-off	• Moulded 23 x 17.5 x 5 cm
Maintenance	• Function operates after four minutes of no change of pressure
Warranty	• 1 x 9V PP3 alkaline cell accessible to user. Life >100 hrs
	• Peritron requires no user adjustments or calibration
	• Peritron is warranted to be free of defects for 12 months

PRECISION PERINEOMETER FOR ACCURATE ASSESSMENT AND SUPER SENSITIVE FEEDBACK.



Peritron (Anal Sensor)

EMG Retrainer

Unit comes standard with Retrainer, Nylatex® wrap, sample EMG disposable electrodes, 2 leads, 2 AA batteries, instruction manual, and convenient carrying pouch.

OPTIONAL ACCESSORIES

BIO10 – EMG Retrainer

EMG Retrainer® IR

Unit comes standard with Retrainer IR, Nylatex® wrap, sample EMG disposable electrodes, 2 leads, 2 AA batteries, instruction manual, software user guide, and convenient carrying pouch.

OPTIONAL ACCESSORIES

BIO05 – EMG Retrainer® IR

Features:

- Dual independent channels
- Easy to operate
- Clear visual feedback
- Documented results
- Stores set-up information for up to 8 programs
- Multi-lingual software

EMG Retrainer & IR Technical Specifications

Input Impedance: > 1,000,000 Ohms
Noise: < 1uV RMS with inputs shortened
Operator Controls: 5 silicone keypad buttons
Frequency Range: 20-300 Hz
Battery Type: 2-1.5v AA
Dimensions: 80mm (W) x 90mm (L) x 45mm (H)
Weight: 135g, including batteries



Making muscle re-education fast and simple



EMG Retrainer®

The EMG Retrainer is a dual channel surface EMG device which measures and quantifies muscle movement. Results are clearly displayed on the LCD screen. The Retrainer can be programmed to assess the activity of both healthy and damaged muscle. It is designed to continuously monitor muscle movement, provide visual and audio feedback, while allowing achievement of targets set in therapy.

EMG Retrainer® IR

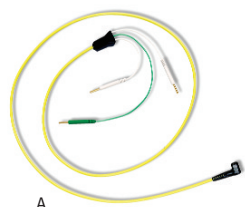
The EMG Retrainer IR is a dual channel surface EMG system with built-in infrared wireless communications. The surface EMG information from the EMG Retrainer IR can be transmitted wirelessly to most all personal, notebook, or laptop computers via the enclosed plug-and-play infrared reading device. The captured EMG information is displayed online with the unique EMG Retrainer IR software package which allows for live session display, session playback and session file storage. The EMG Retrainer IR provides biofeedback tools to help the subject to voluntarily increase, maintain, or control muscle activity. File storage allows the professional to review and track the subject's outcomes regarding neuromuscular function. The system and software are designed to have great use in patient evaluation of neuromuscular and musculoskeletal function as well as feedback of the exercise programs. The IR operating software allows for quick analysis; "record and go" commands allow for general use or data storage after session completion. The EMG Retrainer IR can monitor up to two channels simultaneously providing accurate and instantaneous visual and auditory feedback with no delay in processing of actual EMG response. All software display screens are designed for clear visibility by the user and are functional for the professional.

Innovations to the existing software offer many possibilities in patient care. Expanded functions include:

- Muscle normalization capability - allows the professional to generate normalized EMG reports
- Improved screen functions and enhanced display tools - event marking, zoom control, marker functions and more.
- Muscle template mode - allows patients to create their own surface EMG displays for training.
- Incontinence mode - multiple evaluation and report modes including baseline evaluation, work-rest evaluation, endurance evaluation and more.



Biofeedback Accessories



A



B



C



D

EMG Lead Wires & Adaptors

Tri Pin Lead Wires

EMG pinstyle lead wires allow connection to a variety of incontinence probes, electrodes or adaptors to expand surface EMG application.

Tri Snap Lead Wires

EMG snap style lead wires allow the application of small, single set surface EMG electrodes to be positioned according to clinician. This application is common for the face and hands.

Lead/Probe Pin Extension Adaptors

Snap to pin adaptors allow standard EMG lead wires to connect to probes and other electrodes.

Lead/Electrodes Snap Extension Adaptors

Snap to snap adaptors allow the usage of the Standard EMG lead wire with single EMG electrodes to be placed in series, or as desired by the operator.

EMG Probes

Intravaginal probe for stimulation and biofeedback. Lightweight construction, designed for maximum comfort with large conductive area.

Vaginal and rectal sensors for precise assessment of muscle activity.

DURA-STICK® EMG Electrodes

All DURA-STICK EMG electrodes are silver-silver chloride with one reference and two active points. These electrodes are designed for single use and made especially for the EMG Retrainer. & EMG Retrainer IR.

OPTIONAL ACCESSORIES

- CHA 42109 – 6 cm (2.5") round electrodes (100 per/bag)
- CHA 42140 – 3 cm x 3 cm (1" x 1") square electrodes/strips (50 per/bag)

EMG Leadwires

OPTIONAL ACCESSORIES

- CHA 77603 – EMG standard lead wire (not shown)
- CHA 77703 – EMG tri pin lead wire (A)
- CHA 77704 – EMG tri snap lead wire (B)
- Extension Adaptors (set of 3)
- CHA 77702 – EMG lead/probe pin extension adaptors (C)
- CHA 77706 – EMG lead/electrode snap extension adaptors (D)

EMG Probes

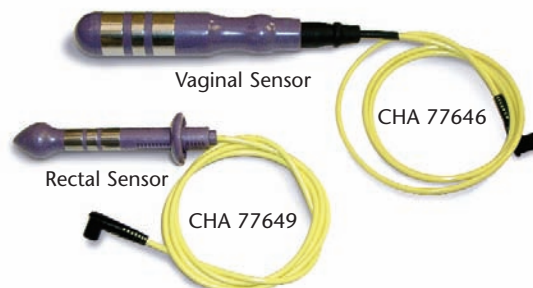
OPTIONAL ACCESSORIES

- TRO 95 – Femelex
- CHA 77646 – EMG vaginal sensor
- CHA 77649 – EMG rectal sensor

TRO 95



Femelex



Vaginal Sensor

Rectal Sensor

CHA 77646

CHA 77649

SPECTRA 360® Electrode Gel

The only salt-free and chloride-free electrically conductive gel, recommended for all electromedical procedures. Salt-free characteristics make it particularly suitable for long-term applications. Spectra 360 differs significantly from all other electrically conductive media...it works by wetting the skin, thereby reducing skin resistance.

- Non-gritty STAY-WET® formula allows for prolonged use without re-application
- Product of choice for ECG, TENS, monitoring and paediatrics
- Non-irritating, hypoallergenic, bacteriostatic
- Salt-free, no sodium ion transfer
- Product of choice for conductive rubber/carbon electrodes

ORDERING DETAILS

CODE	DESCRIPTION
TPN 88	60g (2oz) tube
TPN 100	250g (8.5oz) tube



SCAN® Ultrasound Gel

SCAN's exclusive dual-viscosity formula allows it to be applied as a gel and scan as a fluid. For medical ultrasound procedures when a less viscous gel is desired.

- Acoustically correct for the broad range of frequencies used, provides superior transmission of ultrasound waves
- Completely aqueous, will not stain clothing, damage equipment or irritate skin
- Used and recommended by leading manufacturers of ultrasound equipment worldwide
- Hypoallergenic, bacteriostatic
- No formaldehyde

ORDERING DETAILS

CODE	DESCRIPTION
11-08	237ml (8fl.oz) dispenser
11-28	3.8 ltr with refillable 237ml bottle



PHYSIO MED 5 Litre Ultrasound Gel (pump sold separately)

ORDERING DETAILS

CODE	DESCRIPTION
ULS 15	5 Litre Ultrasound Gel
ULS 25	Pump Dispenser

