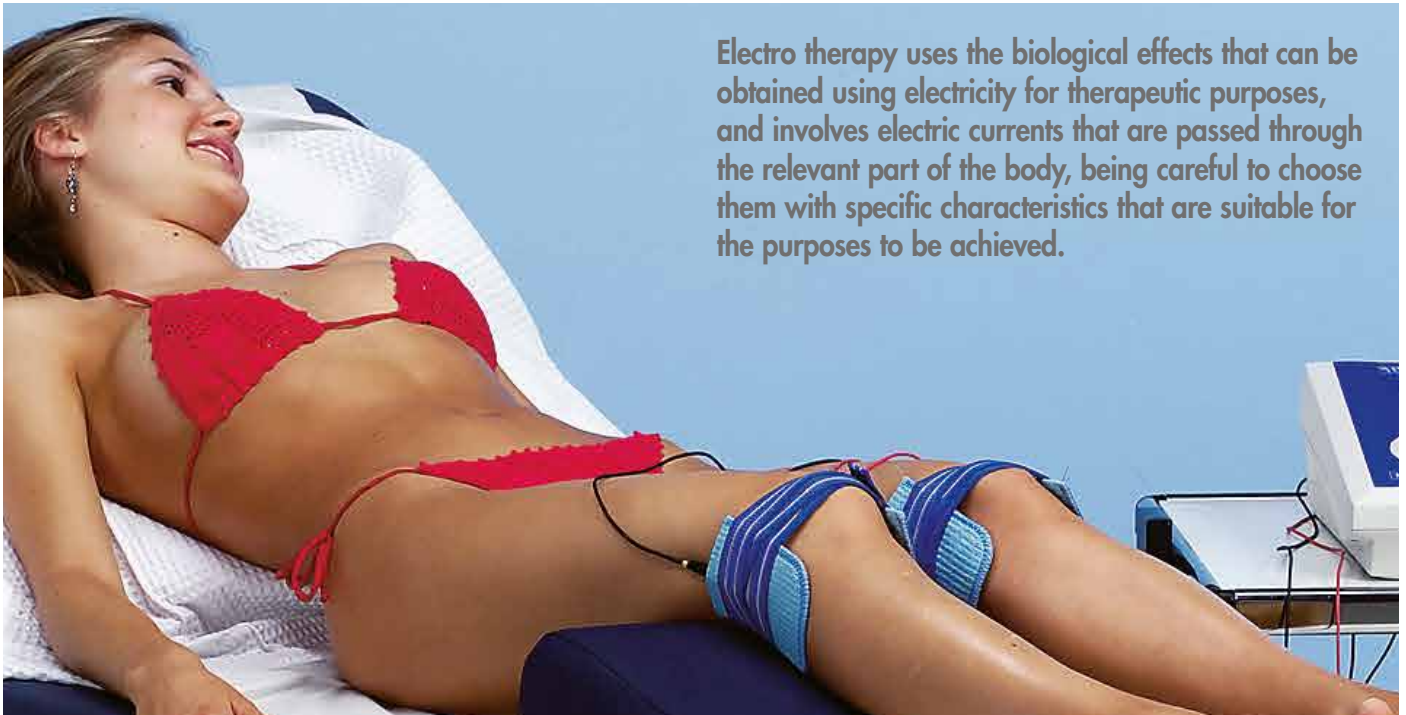


Electrotherapy



Electro therapy uses the biological effects that can be obtained using electricity for therapeutic purposes, and involves electric currents that are passed through the relevant part of the body, being careful to choose them with specific characteristics that are suitable for the purposes to be achieved.

Electro therapy is used to stimulate denervated muscles, to reduce hypotrophy due to non-use of a normoinnervated muscle, and to maintain muscular trophicity of denervated or partially innervated muscles, in order to strengthen the innervated muscle. The principal effects of electric current applied to body tissue include motory activation, thermal, trophic, analgesic, and chemical effects. Each muscular stimulation electric impulse is characterised by: Wave frequency: measured in Hz (hertz); Wave width: measured in msec (milliseconds); Intensity: measured in mA (milliampere).

Principal effects of electrical stimulation

- Training the neuro-muscular system to respond appropriately during voluntary and involuntary effort, providing an active (isometric, concentric, and eccentric) contraction and the resulting articular movements, providing proprioceptive feedback.
- Modulation of pain by means of the gate control mechanisms or descending inhibition mechanisms (production of endogenic opioides).
- Control or reduction of spasticity by stimulating (contraction and relaxation) agonists, (reciprocal inhibition) antagonists, or prevention of motorial sensation.
- Providing transdermal releasing of medicamentous substances in the skin (iontophoresis).
- Improving or maintaining articular mobility by mechanical stretching of muscles or connecting tissue or reducing impediment to movement, caused by neuromuscular dysfunctions (e.g. spasticity), pain or oedema.
- Facilitating healing of wounds by increasing local circulation, providing a bacterial effect, or changing the electric charges in the injured area.
- Slowing down or resolving oedema by the activity of the muscular pump or the effect of the electric charges on the interstitial proteins (electric field phenomena).



ACCESSORIES

2



EL0009 SPONGES 6 X 7 CM
Sponges cm 6 x 7, set of 2 pieces

EL13009 SPONGES 6 X 7 CM
Sponges cm 6 x 7, set of 25 pieces



EL17013 ELECTRODES 5 X 5 CM
Electrodes cm 5 x 5, 2 mm connector. 2 pieces

EL17011 ELECTRODES 5 X 5 CM
Electrodes cm 5 x 5, 2 mm connector. 25 pieces



AC0665 ELASTIC BAND 60 CM
Elastic band cm 60 x 5, one piece

EL13013 ELASTIC BANDS SET 60 CM
Elastic bands cm 60 x 5, set of 20 pieces



EL0010 SPONGES 8 X 10 CM
Sponges cm 8 x 10, set of 4 pieces

EL13010 SPONGES 8 X 10 CM
Sponges cm 8 x 10, set of 25 pieces



EL17014 ELECTRODES 6 X 8,5 CM
Electrodes cm 6 x 8,5, 2 mm connector. 4 pieces

EL17012 ELECTRODES 6 X 8,5 CM
Electrodes cm 6 x 8,5, 2 mm connector. 25 pieces



AC0667 ELASTIC BAND 100 CM
Elastic band cm 100 x 5, one piece

EL13014 ELASTIC BANDS SET 100 CM
Elastic bands cm 100 x 5, set of 20 pieces



EL0194 OUTPUT CABLE
Additional 2-channel output cable.
2 mm connector.



EL0082 LINK CABLE
Cable to connect electrotherapy and ultrasound machines.



EL0016 CARRY CASE
Universal carry case for transport.
Available for all Chinesport portable units.

SMART CARD TECHNOLOGY EXTERNAL MEMORY



EL0001 PERSONAL SMART CARD
The smart card memory can be used with the Excellent and Plus lines. It's possible to save customized treatments based on specific setting of parameters. These therapies can be used for a specific user or a group of patients affected by same pathology. Set of 10 pieces.



EL0191 WOK TROLLEY
It is a trolley with a support surface designed for use with Chinesport table top electro-medical devices. It is extremely compact and easy to handle, suitable for moving even in small spaces.

AC1223 DRAWER
Painted steel drawer for accessories.
Dimensions (WxDxH): 40 x 36 x 12 h cm

AC1224 BASKET
Painted metal basket for accessories
Dimensions (WxDxH): 30 x 16 x 14.5 h cm

AC1225 SHELVES
Additional painted steel shelves
Dimensions (WxDxH): 40 x 36 x 0.5 h cm

Electrotherapy

EL17053 MEDICSTIM 2 COMPLET

Equipment with 2 channels, with all low and medium frequency wave forms.

EL17054 MEDICSTIM 4 COMPLET

Equipment with 4 channels, with all low and medium frequency wave forms. Muscular monitoring.

Distinctive elements

- 24 wave forms (low and medium frequency).
- Possible connection to ultrasound devices for combined usage.
- Color display with Touch & scroll function.
- I/T Curve.
- Possible connection to the Vacuum device for combined usage.
- Electrodes test.
- Creation of various treatment sequences having different waveforms.
- Smart Card included.



TECHNICAL DATA

Mains power supply	230 Vac, 50-60Hz, $\pm 10\%$
	115 Vac, 50-60Hz, $\pm 10\%$ (on request)
Maximum mains power absorption	75 VA
LCD display	6" colour touch screen and encoder
Programmable treatment time	up to 60 minutes
Medical device class according to EU regulations	II B
Muscular monitoring	I/t curve, rheobase and chronaxy
Output channels	Medicstim 2 Complet 2 independents
	Medicstim 4 Complet 4 independents
Pre-installed protocols	available
Storable patient treatment procedures	
Storable sequences of I/T curves	available (on both internal memory and external smart-card)
Storable reobase/cronaxya values	
Storable sequences of different waveforms	
Dimensions	39 x 30 x 14 cm
Weight	Medicstim 2 Complet 5.6 kg
	Medicstim 4 Complet 6.2 kg


STANDARD ACCESSORIES

	EL17053	EL17054
Power cable	1	1
Fuses	2	2
Manual of therapies	1	1
Electrodes 5 x 5 cm	4	8
Electrodes 6 x 8,5 cm	4	8
Electrode sponges 6 x 7 cm	4	8
Electrode sponges 8 x 10 cm	4	8
Elastic band 60 x 5 cm	2	4
Elastic band 100 x 5 cm	2	4
2 cannels output cable	1	2
Smart card	1	1

OPTIONAL ACCESSORIES

EL0001	PERSONAL SMART CARD
EL0009	SPONGES 6 X 7 CM
EL0010	SPONGES 8 X 10 CM
EL17013	ELECTRODES 5 X 5 CM
EL17014	ELECTRODES 6 X 8,5 CM
EL0194	OUTPUT CABLE
EL0016	CASE
EL0082	LINK CABLE
EL0191	WOK TROLLEY
EL12004	VACUUM THERAPY
EL13009	SPONGES 6 X 7 CM
EL13010	SPONGES 8 X 10 CM
EL17011	ELECTRODES 5 X 5 CM
EL17012	ELECTRODES 6 X 8,5 CM
EL13013	ELASTIC BANDS SET 60 CM - 20PZ
EL13014	ELASTIC BANDS SET 100 CM - 20PZ
AC0665	ELASTIC BAND 60 CM
AC0667	ELASTIC BAND 100 CM

WAVE FORMS PROVIDED	EL17053	EL17054	EL17092	EL17059
 High voltages			•	
 AL- Tens			•	
 APS			•	
 Biphasic S/ A	•	•	•	•
 Short period	•	•	•	•
 Diphasic	•	•	•	•
 Exponential	•	•	•	•
 Galvanic	•	•	•	•
 Classic Interferential	•	•	•	•
 Isoplanar Interferential	•	•	•	•
 Vectorial interferential	•	•	•	•
 Interferential	•	•	•	•
 Iontophoresis	•	•	•	•
 Kotz	•	•	•	•
 Long period	•	•	•	•

WAVE FORMS PROVIDED	EL12053	EL12054	EL17092	EL12059
 Micro-currents			•	
 Monophasic	•	•	•	•
 Neodynamic	•	•	•	•
 H-wave			•	
 Pharadic rectangular	•	•	•	•
 Rectangular	•	•	•	•
 Syncop. Diphasic	•	•	•	•
 Syncop. Monophasic	•	•	•	•
 Short-intense TENS			•	
 Tens burst S/ A/ R	•	•	•	•
 TENS random S/ A/ R	•	•	•	•
 TENS S/ A/ R	•	•	•	•
 Traebert	•	•	•	•
 Neodynamic triangular	•	•	•	•
 Triangular	•	•	•	•