

Radar therapy

Radar Therapy is part of the range of Heat Therapies and uses electromagnetic waves to transmit heat into tissue in depth. The therapeutic effects of radar therapy are muscular heating, and an analgesic and trophic effect. Radar therapy is indicated in cases of muscular contraction, arthrosis, post-traumatic algia, tendinitis, etc. Medical use of microwaves is mainly based on the fact that the microwaves are selectively absorbed by tissues with high water content. They can therefore heat certain selective areas such as muscles for example, while the penetration and absorption at bone level is minimal. Once electromagnetic waves come in contact with organic tissue, they transform most of their radiating energy into heat (caloric energy) with different degrees of penetration mainly limited to muscular and peri-articular tissues (skin and subcutaneous, tendons, sheaths, muscle bands, synovia).

Therapeutic results

- Pain reduction
- Improvement of collagen extensibility
- Reduction of joint rigidity
- Reduction of edema and inflammatory exudates
- Increase in blood flow



ACCESSORIES



EL0027 THREE-DIMENSIONAL ANTENNA
Wrap-around field antenna, 50 x 20 x 18h cm



EL0026 RECTANGULAR ANTENNA
Long-field antenna, 47 x 12 x 7h cm



EL0001 PERSONAL SMART CARD
It's possible to save customized treatments based on specific setting of parameters. Set of 10 pieces.

EL12060 MICRORADAR PULS

It is a medical device that emits microwave-therapy treatments, with the auxilium of antennas for the emission of the treatment in continuous and pulsed operating modes.

Distinctive elements

- Easy to use: user friendly interface.
- New orthostatic arm manufactured with aluminum alloy and preloaded joints without manual adjustment.
- 100 therapeutic suggestions.
- Possible connection of the three-dimensional antenna for applications on the shoulder, neck, spine. The rectangular antenna can be connected too, for applications large areas such as upper and lower limbs, cervical area, spine.
- New system for fast antenna connection.
- Multilanguage software.
- Pulsed and continuous emission mode.
- Smart Card included.



TECHNICAL FEATURES

Mains power supply:	230 Vac, 50-60Hz, $\pm 10\%$
	115 Vac 50-60 Hz $\pm 10\%$
Maximum mains power absorption:	600 VA
Backlit LCD:	B/W 320 x 240 pixels
Programmable treatment time:	up to 30 minutes
Emission frequency:	2450 MHz
Device class 93/42/CEE directive:	II B
Electrical insulation UNI EN 60601-1 standard:	I / BF
Degree of protection by the liquid access UNI EN 60601-1 standard:	IPX0
Operation continuous:	100%
Operation pulsed:	10% ÷ 90%
Continuous power peak:	250 W
Pulsed power peak:	1600 W
Stored protocols:	100
Storable protocols in the user memory:	200
Storable protocols in the smart-card:	200
Dimensions with arm and antenna NOT mounted:	39 x 112 h x 43 cm
Dimensions with arm and antenna mounted:	65 x 177 h x 43 cm
Weight with arm and antenna not mounted	34 Kg
Weight with arm and antenna mounted	38.5 Kg

Standard Accessories

	Q.TY
Power cable	1
Fuses	2
Manual of therapies	1
Pantograph arm	1
High frequency output cable	1
Circular antenna	1
Smart Card	1

Optional Accessories

- EL0001 PERSONAL SMART CARD
- EL0026 RECTANGULAR ANTENNA
- EL0027 THREE-DIMENSIONAL ANTENNA