

Scanning Laser therapy

How does Scanning Laser therapy work?

Scanning laser therapy works in a similar physiological way to low-power contact laser therapy but it enables to treat larger areas than with contact treatment and it can be done automatically without the presence of an operator. This is possible by combining different powers, different wave lengths and the combined use of the two modes: continuous and pulsed. The FISIOLASER SCAN series unit are medical devices that emits treatments of laser-therapy, both in modality "scanning" through a laser heading, or in modality with probes through the aid of mono-diode and poly-diode probes for the emission of the treatment. The operational room of its use is normally out-patient / hospital / clinical, because the device must be used by the personnel adequately qualified by a medical point of view. The treatments of laser-acupuncture, also usable with the FISIOLASER SCAN series unit, is not covered by the CE0476 certification.

Advantages using scanning laser therapy

- Scanning laser units run in automatic mode, as they do not require an operator to be present.
- Using a scanning laser unit makes it possible to treat larger areas that when a contact laser is used.
- Automatic setting of the treatment area.
- Scanning area adjustable up to 400 cm²
- Possibility of connecting an external single/multidiode laser handpiece.

Treated pathologies

- Arthritis
- Bursitis
- Cervicalgia
- Cervico-arthrosis
- Contractures
- Contusions
- Oedemas
- Haematomas
- Epicondylitis
- Epitrocleitis
- Lumbago
- Backache
- Neuralgias
- Stretchings to the collateral ligaments of the knee
- Tendinitis and ulcers



Mixed Scanning (rhomboidal)



Vertical Scanning



Horizontal Scanning



Horizontal and Vertical Scanning

EL12081 FISIOLASER SCAN 500

Trolley-mounted equipment for scanning laser therapy, power 500 mW. Laser emission 808 nm (pulsed and continuous)

EL12079 FISIOLASER SCAN HP4

Trolley-mounted equipment for scanning laser therapy, power 4 W (2+2). Two wavelength scanning laser device with two simultaneous laser sources: continuous laser emission (808 nm) and pulsed laser emission (940 nm) The combination of the two laser sources allows a high anti-inflammatory effect (808 nm) together with an analgesic effect (940 nm), allowing better results especially in acute phase diseases and with the presence of inflammation (lumbago, sprains, neck pain, etc...).

EL12080 FISIOLASER SCAN HP8

Trolley-mounted equipment for scanning laser therapy, power 8 W. It uses a wavelength of 940 nm, by means of a single 8 W diode.



50 85 200



TECHNICAL FEATURES

Mains voltage		230 Vac, 50-60Hz, ±10%
		115 Vac, 50-60Hz, ±10% (on request)
Max. Power absorption	500	25VA
	HP4	60VA
	HP8	60VA
Interlock socket/Safety key (contacts normally closed)		3 contact DIN socket
Backlit LCD Display		320 x 240 pixel, B/W
Programmable treatment time		up to 99 minutes
Diode Laser wave length emission	500	808 nm
	HP4	808 nm + 940 nm
	HP8	940 nm
Laser classification according to EN 60825-1	500	III B
	HP4	IV
	HP8	IV
Device class 93/42/CEE directive:		II B
Electrical insulation UNI EN 60601-1 standard:		I / BF
Degree of protection by liquid access:		IPX0
Programmable pulse frequency:		(200 ÷ 10000) Hz
Power at source - 200 Hz	500	12.5mW
	HP4	80mW
	HP8	160mW
Power at source - 10000 Hz	500	500mW
	HP4	4000mW
	HP8	8000mW
Output channels:		2 independents
Stored therapeutic suggestions		85
Storable therapeutic suggestions:		200
Dimensions:		39 x H168 x 43 cm
Weight:		35 Kg
TARGET POINTING DEVICE CHARACTERISTICS		
Target pointing device UNI EN 60601-2-22 standard		2 light-drive
Light-drive device:		Led-diode
Light-drive color		Red
Light-drive representation on the impact point		Spot with red as colour



PLUS

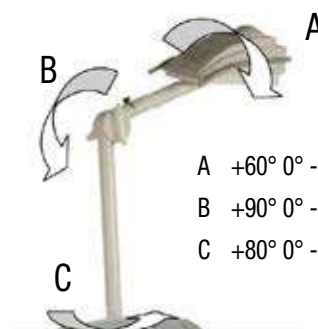
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Standard Accessories

	Q.TY
Mains power supply cable	1
Fuses	2
Manual of therapies	1
Laser protection goggles	2
Interlock connector	1
Smart Card	1

Optional Accessories

- EL0028 1 DIODE HANDPIECE - 25MW
- EL0029 1 DIODE HANDPIECE - 50MW
- EL0030 1 DIODE HANDPIECE - 100MW
- EL0031 3 DIODE HANDPIECE - 75MW
- EL0032 3 DIODE HANDPIECE - 150MW
- EL0033 3 DIODE HANDPIECE - 300MW
- EL0034 5 DIODE HANDPIECE - 125MW
- EL0035 5 DIODE HANDPIECE - 250MW
- EL0036 5 DIODE HANDPIECE - 500MW
- EL0037 8 DIODE HANDPIECE - 200MW
- EL0038 8 DIODE HANDPIECE - 400MW
- EL0039 8 DIODE HANDPIECE - 800MW
- EL0040 LASER ARM
- EL0041 LASER ARM
- EL0042 L1 ARM
- EL0043 L3-5-8 ARM
- EL0001 PERSONAL SMART CARD
- 02098 LASER PROTECTIVE GOGGLES



- A +60° 0° -60°
- B +90° 0° -70°
- C +80° 0° -80°