LOW POWER LASER

LASERMED 2200



EME® ITALY physio

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LASERMED 2200

Advanced therapeutic technology

The low-power 905 nm therapeutic laser is one of the most effective solutions for photobiostimulation in physiotherapy and rehabilitation. The near-infrared wavelength allows deep penetration into soft tissues and joints, promoting pain and inflammation reduction and facilitating functional recovery.

CLINICAL EFFICACY AND THERAPEUTIC BENEFITS

The 905 nm light interacts with the mitochondria, stimulating ATP synthesis and modulating inflammatory activity. The photobiological effect results in:

- **Immediate analgesic action** with reduction of sensory nociceptors
- **Mediated anti-inflammatory action** by the reduction of prostaglandin E2
- **Improvement of microcirculation and lymphatic drainage**
- **Acceleration of tissue repair and healing processes**

THERAPEUTIC APPLICATIONS

- Tendinitis, epicondylitis, bursitis
- Back pain, neck pain, and joint pain
- Muscle injuries and blunt trauma
- Post-surgical oedema, haematoma and inflammatory processes
- Post-traumatic and sports recovery treatments

THE ADVANTAGES FOR PROFESSIONALS

- High laser beam precision and safety of use
- Rapid functional recovery thanks to deep penetration of the infrared beam
- Intuitive interface with protocols based on scientific evidence
- Compact and portable design, ideal for physiotherapy or outpatient clinics
- Non-invasive treatments that are well tolerated by patients

INNOVATION AND RELIABILITY

- The device incorporates the latest emission control and frequency modulation technologies, ensuring maximum therapeutic precision at every stage of treatment.
- Thanks to the proven effectiveness of the 905 nm laser in biophotonic stimulation, the device is an ideal choice for physiotherapy centres that want to offer fast, safe and scientifically validated treatments.



ACCESSORIES INCLUDED

100 mW LASER HANDPIECE



LASER SAFETY GLASSES



Model OLV



OPTIONAL ACCESSORIES

HANDPIECE 300 mW - 500 mW



ORTHOSTATIC ARM



For hands-free treatment

TROLLEY





TECHNICAL SPECIFICATIONS		
Mains power supply		230 Vac, 50-60 Hz, ±10%
Maximum power absorbed from the mains		20 VA
Double fuse protection on the mains supply	**230 Vac**	315 mA Rit. 5 x 20 mm
Interlock socket/Safety key (normally closed contacts)		3-pin DIN socket
Backlit LCD display for viewing and controlling operating parameters		5.7” colour graphic display, 320 x 240 pixels, touch screen + encoder
Programmable processing time		Up to 99 minutes
Laser Diode Emission Wavelength		905 nm
Laser risk classification according to EN 60825-1		3 B
Device class according to Directive 93/42/EEC		II B
Electrical insulation class / parts applied in accordance with UNI EN 60601-1		I / BF
Degree of protection against liquid ingress according to UNI EN 60601-1		IPX0
OD (Optical density) 905 nm 25 mW		0.1
OD (Optical density) 905 nm 100 mW		0.7
Sensor for detecting IR radiation from the external handpiece		On the front
Programmable pulse frequency		(100 - 10.000) Hz
Pulse duration		100 nsec
Peak power per diode		100 W
Total peak power: dependent on the handpiece (see Accessories)		
Device features for target aiming	**Target pointing device in accordance with UNI EN 60601-2-22**	Guide light
	Light guide device	LED diode
	Guide light colour	Red
	Representation of the guide light at the point of impact	Red spot
Type of treatment delivery		Manual issue
		Automatic issuance
		Continuous emission
Output channels		2 separate units
Storable protocols		200
Plastic table container, external dimensions (width x height x depth)		**39 x 14 x 30 cm** without handpiece holder **47 x 14 x 30 cm** with handpiece holder
Device weight		**3.65 Kg**
Terms of use	**ambient temperature**	(+10 ÷ 40)°C
	relative humidity	(10 ÷ 80) % non-condensing
Storage/transport conditions	**ambient temperature**	(-40 ÷ +70) °C
	relative humidity	(10 ÷ 100) % non-condensing
	atmospheric pressure	(500 ÷ 1060) hPa

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