

Intelect[®] High Power Laser HPL7 & HPL15

Features & Benefits

- Deep tissue penetration with power up to 15 W
- Optimal tissue absorption due to the 2 or 3 different wavelengths: 810 nm, 980 nm and 1064 nm
- Different emission modes for optimal output adjustment
- Preset protocols for easy application
- Large Touch screen, 7 inch with an optimal interface flow
- Automatic laser source calibration
- Safety footswitch operation

The Chattanooga High Power Laser **raises the game** of laser treatment; its higher power achieves greater photonic delivery, **shortening treatment times**, generating a thermal effect, and **improving healing**.

It can almost **immediately arrest soft tissue and joint pain**. Its 3 wavelengths allow for **optimal tissue absorption** and it can achieve much **greater penetration depth** than its low-power counterparts.

Indications

- Impingement syndrome, tendonitis, rotator cuff injury
- Epicondylitis radialis/ulnaris
- Knee arthritis
- Achilles Tendinopathy
- Plantar fasciitis/Heel Spur
- Tibiotarsal distortion
- Trigger points, muscle spasms
- Muscle strain
- Osteoarthritis, disc herniation
- Carpal Tunnel Syndrome
- Bursitis
- Myofascial Pain
- Cervicobrachial Syndrome



Technical Information

Wavelength HPL 7	810 nm + 980 nm
Wavelength HPL 15	810 nm + 980 nm +1064 nm
Guide Light	650 nm - 3 mW
Laser power	up to 15 W
Emission	Continuous (CW), Pulsed, Single Pulse, Burst
and Stochastic (patented stochastic mode)	max. 450 VA
Operation mode	Continuous, Pulsed, Single Pulse, Burst, Stochastic and Anti-Inflammation
Pathologies	Over 60 pathologies with interactive illustrations and protocols sub-divided by phase
Programmable	12 positions by name
Calibration	Graphic and acoustic control system for laser emission at hand piece exit in accordance with norm. CEI EN 60825-1
Display	Color TFT 7" Touch - screen
Mains	100÷240V 50÷60Hz
Absorption Power	160 VA
Dimensions	390 x 250 x 170 mm

Weight	3,8 kg
Laser Class IV	IV
Beam divergence	25°
Pulse Width	1-1000 ms
IP Classification	IPX0 device IPX0 hand piece IPX4 pneumatic footswitch
Terms operating	0 ÷ 30°C 30 ÷ 75% humidity non-condensing 700 ÷ 1060 hPa
Terms Transportation and storage	-10 ÷ 60°C 10 ÷ 100% humidity non-condensing 500 ÷ 1060 hPa
EMP	Maximal emission permit on skin 5600W/m ²
EMP	Maximal emission permit on cornea 9W/m ²
DNRO	Nominal Distance of Ocular Risk 2,4m
Conformity	EN 60601-1; EN 60601-1-2; IEC 60601-2-22
Certification	CE0473
Directive 93/42 Classification	IIb

Ordering Information

Part Number	Description
2879	Intelect HPL 7, High-Power Laser 7 watt
2979	Intelect HPL15, High-Power Laser 15 watt

Standard Accessories

Part Number	Description	Quantity
4930	HPL, Footswitch, Complete	1
207901	HPL, Applicator 26 mm	1
4800	HPL, Safety Glasses	2
4900	HPL, 3 Pole Interlock Plug	1
13-00062	IFU, HPL, Multilingual Manual	1
4910	HPL, Power Cord	1

Optional Accessories

207902	HPL, Applicator 38 mm
4920	HPL, Hand-Piece Lens



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