

CUBE High Power Laser

A non-opioid treatment for pain relief.

This range of devices boasts increased power, helping to achieve greater photonic delivery, and shortening treatment times.

Indications

- Temporary increase in local blood circulation
- Temporary relief of minor muscle and joint aches
- Minor pain and stiffness associated with arthritis
- Relaxation of muscles
- Muscle spasms

Effects of low-level laser therapy on pain in patients with musculoskeletal disorders. A systematic review and meta-analysis. Clijisen R, Brunner A, Barbero M, Clarys P, Taeymans J. Eur J Phys Rehabil Med. 2017 Aug;53(4):603-610.

Efficacy of low-level laser therapy in the management of neck pain: a systematic review and meta-analysis of randomised placebo or active-treatment controlled trials. Chow RT, Johnson MI, Lopes-Martins RA, Bjordal JM. Lancet. 2009 Dec 5;374(9705):1897-908.

Meta-analysis of pain relief effects by laser irradiation on joint areas. Jang H, Lee H. Photomed Laser Surg. 2012 Aug;30(8):405-17.

Effect of high-intensity laser therapy in the management of myofascial pain syndrome of the trapezius: a double-blind, placebo-controlled study. Dundar U, Turkmen U, Toktas H, Solak O, Ulasli AM. Lasers Med Sci. 2015 Jan;30(1):325-32.

Low-intensity laser irradiation improves skin circulation in patients with diabetic microangiopathy. Schindl A, Schindl M, Schön H, Knobler R, Havelec L, Schindl L. Diabetes Care. 1998 Apr;21(4):580-4.



Features & Benefits

Protocol selection by size, body part, skin tone, pain and chronicity level automatically adjust output treatment parameters for increased safety and effectiveness

- Deep tissue penetration with power up to 15W continuous
- Increase power up to 20W with Intense Super Pulse (ISP) Mode
- **Exclusive Technology:** Intense Super Pulse (ISP) Mode with increased power up to 20W
 - ISP Mode ranges from 1-20,000 Hz to prevent tissue adaptation
- Optimal tissue absorption due to the CUBE wavelengths (660nm, 800nm, 905nm, 970nm) that can be emitted simultaneously or individually*
- Quick Release Technology (QRT) for rapid switching of accessory tips
- Optical Zoom 1 to 5cm² for better energy density control
- USB or Wifi for quick export of data history
- Compact, light and easy to transport
- Built in Lithium Ion battery provides up to 75 minutes of treatment time
- Solid-state diode module, reducing heat and ensuring a stable laser emission

* Chung H, Dai T, Sharma SK, Huang YY, Carroll JD, Hamblin MR. The nuts and bolts of low-level laser (light) therapy. Ann Biomed Eng. 2012 Feb;40(2):516-33.





Technical Information

Specification	CUBE 3	CUBE 4
Laser Type	Diode GaAlAs	
Laser System	Class 4 (according to IEC 60825-1)	
Device Classification	Class IIb (according to Council Directive 93/42/EEC); Class II (FDA)	
Wavelength (nm +15 nm)	800, 970	800, 905, 970
Wavelength (660 nm + 10nm)	660	660
ISP peak power (W)	15	20
ISP average power (W)	8	12
CW power (W) +20%	12	15
Max Power 660 nm (mW)	120	
Emission mode	1. CW (Continuous Wave) 2. ISP (Intense Super Pulse) modulated 1Hz to 20kHz	
IP Degree protection	Laser unit: IP20; footswitch (cover not waterproof): IPX5 (according to IEC 60601-1)	
Insulation class	Class II, type B (according to IEC 60601-1)	
Aiming Beam	660 nm + 10 nm, max. 1mW	
NOHD	1.65 m max	
Start	1. Finger switch with electronic access key 2. Foot switch (optional)	
Power supply	Sinpro MPU100-106, 100 - 240 VAC, 47 - 63 Hz	
Display	Full colour, graphical LCD touchscreen	
Dimensions (WxLxH)	7 x 8 x 7.5" (180mm x 200mm x 190mm)	
Weight	approx. 3 lbs (1300g) (incl. handpiece and rechargeable battery)	
Transport and storage	<ul style="list-style-type: none"> • Temperatures from - 40°C to + 70°C • Relative humidity from 10% to 90% • Atmospheric pressure from 800 hPa to 1060 hPa 	
Operating conditions	<ul style="list-style-type: none"> • Temperatures from + 10 °C to + 33 °C • Relative humidity from 10% to 95% • Atmospheric pressure from 800 hPa to 1060 hPa 	

Ordering Information

Part Number	Description
3079KIT-USA	CUBE 3 with standard accessories: 15W-ISP - 12W-CW - 3 wavelengths
3080KIT-USA	CUBE 4 with standard accessories: 20W-ISP - 15W-CW - 4 wavelengths
3081KIT-USA	CUBE 4 Plus with standard accessories: 20W-ISP - 15W-CW - 4 wavelengths with optical plus handpiece



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