

Low Power Laser Therapy

PSLML850D740mW



❖ DESCRIPTION

Low power laser therapy (LPLT), also known as “cold” laser therapy, refers to a wide variety of procedures involving several laser types and treatment methods. LPLT uses red beam or near infrared nonthermal lasers with a wavelength between 600 and 1000 nanometers and from 5 to 500 milliwatts. In contrast, lasers used for surgery typically use 300 watts. When applied, the lasers penetrate the surface of the skin without a heating (burning) effect, produce no sensation and do not damage the skin. It is believed that due to the low skin absorption and no side effects, the laser light can penetrate deeply into tissues and can reach the site of damage or injury.

❖ ADVANTAGES

- Automatic detection of probe type (with two types of probes)
- Ability to add different probes up to five (as needed)
- Can be used portably (using battery and city electricity)
- Easy to maintain and transport (light and compact)
- Includes protective lock
- Ability to define different applications

❖ THERAPEUTIC APPLICATIONS

- Diseases of the joints, muscles and bones: (arthritis, discopathies, chondritis, strain and sprain of tendons, tendonitis, osteomyelitis, rheumatoid arthritis, fibromyalgia, osteochondrosis of the vertebrae in the recurrent stage, ...).
- Cardiovascular diseases: (hypertension, myocardial ischemia and coronary artery disease, varicose veins, thrombophlebitis and angiopathies, etc.).
- Lung diseases: (asthma, bronchitis, bronchopneumonia, empyema, pleurisy, etc.).
- Endocrine and metabolic diseases: (diabetes, obesity, uric acid, etc.).
- Ear, nose and throat diseases: (rhinitis, sinusitis, otitis, pharyngitis, laryngitis, tinnitus, oral plague, lip herpes, geographical tongue, etc.).
- Gynecological diseases: (Chronic pelvic pain, pelvic adhesions after surgery and endometriosis, salpingitis, vaginal ulcers, Cold-tempered, Bartholin, infertility, etc.).
- Surgery: (burn, colloid, postoperative pain, rapid return of organ function after surgery, accelerate wound healing, reduce inflammation and infection, increase the life of skin grafts, etc.).
- Pediatric diseases: (pneumonia, otitis, pharyngitis, laryngitis, burns, pain, etc.).
- Gastrointestinal diseases: (gastric and duodenal ulcers, gastritis, colitis, hepatitis, pancreatitis, hemorrhoids, etc.).
- Skin diseases: (acne, eczema, alopecia and hair loss, dandruff, vitiligo, psoriasis, striae, lightening and rejuvenation of the skin, etc.).
- Kidney diseases: (pyelonephritis, cystitis, urticaria, prostatitis, etc.).
- Neurological diseases: (radiculopathies, neuropathies, nerve repair, myopathies, migraines, carpal tunnel syndrome, etc.).

SUPPORT FEATURES

- One-year warranty and full after-sales
- Product delivery with installation.
- Complete training with safety tips by expert trainers.
- Maintenance of all products in case of technical issues.
- Product guide with detail explanation.

PROP1 SPECIFICATION

Prop Model	Single
Laser Type	Laser Diode 850 nm
Output Power	1×200mW
Divergence	8×15°
Pulse Width	200ns
Duty Cycle	9%
Exposure Area	0.25 cm ²
Intensity	0.4(W/cm ²)

PROP2 SPECIFICATION

Prop Model	Complex
Laser Type	Laser Diode 660 nm, LED 670 nm
Output Power	5×100mW + 4×10mW
Divergence	(Laser Diode) – 8×15°& (LED)12°
Pulse Width	(Laser Diode) 200ns & (LED) 45us–450ms
Duty Cycle	9% (Diode Laser) & 90% (LED)
Exposure Area	5 cm ²
Intensity	0.1 (W/cm ²)

Device Specifications

User Interface	LCD
Electrical Requirements	Chargeable by 220V AC/single phase<1A
Dimension (W×D×H)	40cmx26cmx9cm
Weight	2.2kg