
Lasertronic LT-3



Product description

LASERTRONIC LT-3 is modern, microprocessor-controlled bio-stimulating laser.

Main features

- Microprocessor-controlled biostimulating laser
- Big, color graphic screen (4,3") with touch pael
- User-friendly operation
- Ergonomic laser probes
- Ready-to-use programs for typical illnesses
- User's own programs may be saved (nice screen keyboard for doing it)
- Individual regulation of all treatment parameters
- Modern design of main unit and probes
- Counters of time and number of treatments
- Repeat dose function
- Sensor for power check of probes
- May be used as portable

Application

Stimulating effects of lasers

a) on connective tissues

- blood vessels expansion, improvement of microcirculation, facilitation of collateral circulation, facilitation in resorption of swellings and exudates
- acceleration of epidermization, stimulation of forming granulation
- strengthening of tissues by improvement of collagen synthesis
- growth of osteoblast activity and facilitation of callus formulation

b) on immunity system

- limitation of antigen perception by lymphocytes T (better transplant tolerance)
- stimulation of macrophages migration

c) anti-pain effects

- amplification of endorphin secretion
- influence on alteration of concentration of transmitters in synapses
- hyperpolarisation of nerve cell membranes
- stimulation of regeneration of peripheral axons after nerve damage
- efficient redistribution of protons" energy to neutral acupuncture points

NOTE! There are no significant side effects of biostimulating laser therapy either publicised or known.

Optional accessories

Laser point probes

Typ sondy:	S-1N	S-2N	S-2B	S-3N
Wavelength	905 nm	660 nm	660 nm	808 nm

Pulse power	50 W	40 mW	80 mW	400 mW
Frequency	5-5000Hz	5-9999Hz	5-9999Hz	5-9999Hz
Mean power	(1-50)mW	(1-40)mW	(1-80)mW	(1-400)mW
Pulse energy	10 µJ	----	----	----
Width of pulse	200ns	----	----	----

Laser cluster probes

Typ sondy:	SP-1B	SP-2B	SP-3
Wavelength	660 nm	660 nm / 808 nm	808 nm
Number of diodes	9	5 / 4	9
Single diode power	40 mW	40 mW / 160 mW	160 mW
Total power	720 mW	1040 mW	1440 mW
Frequency	5-9999Hz	5-9999Hz	5-9999Hz
Area of treatment	50 cm ²	50 cm ²	50 cm ²

Optional laser probes can be chosen separately according to user's needs. Protective eyewear for all related wavelengths.