

high power and biostimulation laser therapy



ERGONOMICS

- large, 7" inch color touch screen
- therapeutic encyclopedia with treatment description
- operation mode: program/manual
- power stabilization and adjustment
- treatment automatic repetition
- counter of laser applicator operation
- statistics of performed treatments
- automatic laser power measurement test
- list of favorite programs
- buzzer volume setting
- emergency laser stop key
- easy replacement of adapters
- pilot beam indicating application area
- edition of user-defined programs
- self test – systematic control of the unit

LASER THERAPY

- built-in high power laser source – 808 nm/8 W
- three application adapters: 1 cm², 5 cm², DILA
- cooperation with: scanning applicators, cluster laser applicator and point probes
- power adjustment
- radiation modes: continuous, pulse and super pulse
- duty cycle or pulse time setting
- automatic treatment time calculation on the basis of treatment area
- dedicated modes for operation with optical fiber applicators

SCANNING APPLICATOR (optional)

- emitter power measured on output
- two available version with different powers
- 2-level power regulation

- three ways of covering the treatment area: ellipsis, line and curves within rectangle boundaries
- automatic calculation of treatment time depending on the size of treated area
- scanner arm height adjustment range: 60 – 140 cm
- setting of the scanning head in two axes
- pneumatic actuator that holds the arm
- high quality wheels with brakes
- shelf for the controller and protective goggles

POINT PROBES (optional)

- diversified power: 80 mW for 660 nm and 400 mW for 808 nm
- 4-level laser power adjustment
- power stabilization of the laser beam radiation
- frequency and duty factor settings
- readiness rate and work signalization
- dedicated mode for operation with optical fiber applicators

CLUSTER LASER APPLICATOR (optional)

- opportunity to operate with different modes: cluster R 5x40 mW, cluster IR 4x400 mW, cluster R+IR 5x40 mW + 4x400 mW or with single radiation sources
- regulation of treatment parameters

MANUAL MODE

complete control over parameters for advanced users

TREATMENT PROGRAMS

- simplification of the unit operation
- treatment programs chosen by name
- 50 programs for high power laser therapy treatment
- 58 programs for point probes

Polaris HP M

- 26 programs for scanning applicator
- 55 programs for cluster laser applicator
- 250 user-defined programs
- 8 programs with Nogier frequency
- 30 programs with Voll frequency
- favorite program list for each applicator
- illustrated therapeutic encyclopedia

TREATMENT SEQUENCES

- simplification of the unit operation
- 50 user-defined sequences

TECHNICAL SPECIFICATION

- radiation mode – continuous, pulse
- waveform – rectangular, triangular (super pulse)
- duty factor – 1 – 90 %, pulse 50 us
- frequency – 1 – 10 000 Hz
- peak output power – max. 8 W
- average output power – max. 8 W
- treatment timer – max. 100 min.
- mains supply – 230 V, 50 – 60 Hz, 130 W 150 VA
- dimensions – 36,1x30,4x15,1 cm
- weight – 6 kg

STANDARD ACCESSORIES

- mains cable
- HP probe (1 pc.)
- application adapter – 1 cm²
- application adapter – 5 cm²
- measurement adapter for HP probe (1 pc.)
- protective goggles (2 pcs.)
- touch screen pen (1 pc.)
- spare fuses WTA-T 2 A/250 V (2 pcs.)
- user guide (1 pc.)
- point probe holders (2 pcs.)
- HP probe holder (1 pc.)
- touch screen cleaning cloth (1 pc.)

OPTIONAL ACCESSORIES

- Deep Intratissue Laser Adapter
- point probe – R 660 nm/80 mW with holder
- point probe – IR 808 nm/400 mW with holder
- scanning applicator – R+IR 100 mW + 450 mW with a stand
- cluster laser applicator CL 1800 5R x 40 mW + 4IR x 400 mW with holder
- optical fiber applicator, straight, Ø 6 mm
- optical fiber applicator, angled 45°, Ø 6 mm
- optical fiber applicator, angled 45°, Ø 6 mm narrowed for laser puncture
- fiber holder Ø 6 mm
- bag for the unit and accessories
- Versa trolley