

ultrasound and laser therapy unit



ERGONOMICS

- two completely independent treatment channels
- operation mode: program/ manual
- preset treatment program base
- statistics – the number of performed treatments
- encyclopedia with treatment methodology description
- treatment programs chosen by name or medical field
- concise list of favorite programs
- buzzer volume setting
- possibility of edition the names of user-defined programs
- self-test – systematic control of the unit
- 7" color touchscreen
- real time clock
- model PHG 601C – battery unit

ULTRASOUND THERAPY

- operation frequency 1 MHz/3,5 MHz
- effective radiation area 1 cm² and 4 cm²
- continuous emission – thermal effect
- pulse emission – micro massage effect
- ultrasound heads provided with the contact control connected to treatment timer
- precise control over the ultrasound wave emission during performed treatment
- head sensitivity calibration
- automatic control of emitted power

LASER THERAPY

- laser radiation emission in continuous and pulse mode
- regulation of laser power radiation
- automatic laser power measurement test
- optical fiber applicators for laserpuncture and special applications (laryngology, dentistry, etc)

- frequency and duty factor regulation in pulse mode for point probes and cluster laser applicator
- frequency regulation for scanning laser applicators
- treatment area irradiation modes for scanning laser applicators
- automatic treatment time calculation on the basis of treatment parameters – dosage, power, duty factor, treatment area

MANUAL MODE

complete control over parameters for advanced users

TREATMENT PROGRAMS

- 233 preset treatment programs
- 250 user-defined programs
- 233 favorite programs
- 30 programs with Voll frequency
- 8 programs with Nogier frequency

TECHNICAL SPECIFICATION

- max ultrasound wave intensity in continuous/ pulse mode – 2/ 3 W/cm²
- pulse frequency – 16 Hz, 48 Hz, 100 Hz
- duty factor for pulse mode – 5 – 75 %, step 5 %
- laser device class – 3B
- battery – Li-Ion
- battery capacity – 2250 mAh
- mains supply – 230 V, 50/60 Hz, max 75 W, 90 VA
- dimensions – 34x28x11-16 cm
- weight – 6 kg

STANDARD ACCESSORIES

- ultrasound head 1/3,5 MHz, 4 cm² with holder
- mains cable
- gel 500 g (1 pc)
- spare fuses WTA-T1 A/250 V (2 pcs)
- laser warning labels (1 set)
- DOOR remote connector (1 pc)
- touchscreen stylus pen (1 pcs)
- touchscreen cleaning cloth(1 pcs)
- masking covers with cutout (2 pcs)

OPTIONAL ACCESSORIES

- ultrasound head 1/3,5 MHz, 1 cm² with holder
- 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 CL1800 5R x 40 mW + 4IR x 400 mW with holder
- protective goggles
- 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
- stand for cluster laser applicator
- PRO bag for the unit and accessories
- Versa trolley
- battery