



PhysioGo 701I

Biostimulation laser therapy
 Combination therapy
 Electrotherapy
 Magnetotherapy
 Ultrasound therapy



Features

product code	A-UC-AST-PHG701I
color display with touch panel	7"
independent treatment channels	3
intensity regulation in the patient circuit for both channels simultaneously or separately	✓
electrode test	✓
manual mode of operation	✓
program mode of operation	✓
disease entities selected by name or medical field	✓
preset treatment programs database	✓
preset treatment sequences database	✓
possibility of creating user programs	✓
user sequence database	✓
favorite programs	✓
possibility of program names and user sequences edition	✓
encyclopaedia describing the treatment methodology	✓
treatment statistics	✓
buzzer sound volume regulation	✓
battery	✓

Electrotherapy

operation in CC (current stabilization) or CV (voltage stabilization) modes	✓
full galvanic isolation between channels in each mode	✓
Currents and methods	
interferential isoplanar	✓
interferential dynamic	✓
interferential single channel AMF	✓
TENS symmetric	✓
TENS asymmetric	✓
TENS alternating	✓
TENS burst	✓
TENS for spastic paralysis therapy	✓
Kotz' current (Russian stimulation)	✓
tonolysis	✓
diadynamic (MF, DF, CP, CP-ISO, LP)	✓
pulsed rectangular	✓
pulsed triangular	✓
pulsed UR according to Trabert (2 - 5)	✓
pulsed according to Leduc (1 - 9)	✓
pulsed neofaradic (1 - 19)	✓
unipolar sine surge	✓
galvanic	✓
microcurrents	✓

Ultrasound therapy

water-resistant US heads (IPX7)	✓
continuous/ pulse emission	✓
ultrasound head contact control (effective treatment time measured)	✓
head sensitivity calibration according to the needs	✓

Combined therapy

operation in CC (current stabilization) or CV (voltage stabilization) modes	✓
Currents and methods	✓
interferential single channel AMF	✓
TENS symmetric	✓
TENS asymmetric	✓
TENS alternating	✓
TENS burst	✓
Kotz' current (Russian stimulation)	✓

Laser therapy

operation with applicators: scanning laser, cluster laser and point probes	✓
emission modes: continuous and pulse	✓
regulation of laser power radiation	✓
duty factor regulation	✓
automatic laser radiation power test	✓
automatic calculation of time relative to treatment parameters - dose, power, duty factor, treatment area	✓
three modes of treatment field irradiation in scanning laser applicators	✓
dedicated modes for working with optic fiber applicators	✓
optical fiber applicators for laserpuncture and ENT applications	✓
pilot beam indicating the application site	✓

Magnetotherapy

continuous and pulse emission	✓
field shape: sine, triangle, rectangle, half-sinus, half-triangle, half-rectangle	✓
optional operation with one or two plate CPE applicators	✓
convenient fastening of applicators by velcro belts	✓

Preset treatment programs

preset treatment programs, including:	
for electrotherapy	69
for ultrasound therapy	58
for combined therapy	77
IR point probe programs	39
R point probe programs	18

Preset treatment sequences

preset treatment sequences for electrotherapy	38
user-defined sequences	10

programs with Nogier frequency	8
programs with Voll frequency	30
preset sequences for scanning laser applicators	26
cluster laser applicator programs	54
for magnetotherapy	41
user-defined programs	
user-defined programs – electrotherapy	50
user-defined programs – ultrasound therapy	50
user-defined programs – combined therapy	50
user-defined programs – biostimulation laser therapy	50 (for each applicator)
user-defined programs – magnetotherapy	50
favorite programs	✓

Electrotherapy technical parameters

max. current intensity in the patient's circuit (CC mode)	
galvanic	40 mA
diadynamic, impulse, tonolysis for unipolar stimulating pulses	60 mA
interferential, Kotz' current, unipolar sine surge, tonolysis for trigger and bipolar stimulating pulses	100 mA
TENS and SP-TENS currents	140 mA
microcurrents	1000 uA
max. voltage amplitude in the patient circuit (CV mode)	
interferential, Kotz', pulse currents, unipolar sine surge, tonolysis	100 V
TENS and SP-TENS currents	140 V
treatment timer	30 s - 60 minutes

Laser therapy technical parameters

laser device class	3B
treatment timer	1 s - 100 minutes

Ultrasound therapy technical parameters

operating frequency	1 & 3.5 MHz
effective radiation area	1 cm ² , 4 cm ²
maximum ultrasound wave intensity	2/3 W/cm ²
frequency in pulse mode	16 Hz, 48 Hz, 100 Hz
duty factor in pulse mode	5 - 75%, step 5%
treatment timer	30 s - 30 minutes

Laser therapy parameters - biostimulation laser point probes

red light laser point probes wavelength	660 nm
maximum power of the red light point probes	80 mW
infrared laser point probes wavelength	808 nm
maximum power of the infrared point probes	400 mW
power regulation	25%, 50%, 75%, 100%
pulse mode frequency	1 - 5000 Hz
duty factor in pulse mode	10 - 90%, pulse 50 ?s

Laser therapy parameters - scanning laser applicator

scanning laser applicator wavelength	808 & 660 nm
maximum power of the scanning laser applicator	450 & 100 mW
power regulation	50%, 100%
pulse mode frequency	1 - 5000 Hz
duty factor for scanning laser applicator pulse mode	75%

Laser therapy parameters - cluster laser applicator

cluster laser applicator wavelength	4x 808 nm & 5x 660 nm
maximum power of the cluster laser applicator	4x 400 mW & 5x 40 mW
power regulation	50%, 100%
pulse mode frequency	1 - 5000 Hz
duty factor in pulse mode	10 - 90%, pulse 50 %s

Magnetotherapy technical parameters

maximum magnetic field induction	10 mT
operating frequency	2 - 120 Hz
interval mode parameters	pulse 1 s / break 0.5 - 8 s
treatment timer	30 s - 30 minutes

General technical parameters

dimensions	34 x 28 x 11-16 cm
weight	6 kg
battery type	Li-ion
battery capacity	2250 mAh or 3400 mAh
power supply	230 V, 50/ 60 Hz