



ASTAR.

You're in good hands

YOU CAN RELY ON US AT ALL TIMES

ASTAR.

43-382 Bielsko-Biała
33 Swit Street
Poland

telephone numbers
+48 33 827 18 56
+48 33 829 24 40

export@astar.eu



www.astar.eu 



Substantive support
fizjotechnologia.com/en 



You're in good hands

Trust is a value developed throughout the years while building good mutual relationships. ASTAR works on it since 1995, constantly broadening its experience in designing the highest quality medical equipment.

The devices we manufacture not only attract the highest ratings and recommendations from recognised specialists, but above all provide the satisfaction to thousands of physiotherapists and their patients.

The extensive catalogue of Astar devices includes devices for TECAR therapy, electrotherapy, sonotherapy, biostimulative and high-energy laser therapy, magnetotherapy, infrared radiation therapy, vacuum therapy and shockwave therapy.

Over the years, systematic development has become the company's most important mission. The result of constant evolution is an ever-growing range of solutions, valued not only for their superior quality and safety, but also for their ergonomics and reliability.

The devices bearing our logo offer intuitive, user-friendly operation and a stylish design intended for contemporary practices.

The pillar of the Astar brand is innovation – we explore cutting-edge material, workmanship and engineering technologies and successfully implement them in our projects.

The R&D department regularly collaborates with the medical community and renowned universities.

We aim for perfection

Exemplary customer service is also a priority for the Astar brand. Medical equipment belongs to the group of products with the highest quality requirements, therefore we ensure the proper organisation of design, production, sales and service procedures, the selection of suitable components, subassemblies and contractors at all stages, an advanced quality control system and supervision, and periodic audits of the entire system.



TRUSTWORTHY
COMPANY 2021



QUALITY
OF THE YEAR
2010 – GOLD



i-NOVO AWARDS 2015
PhysioGo

Let's come together

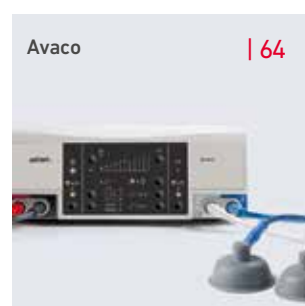
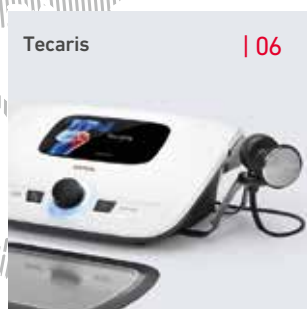
We operate in over 60 markets outside Poland.
Our products are known and appreciated in Europe, Asia, Africa,
South & North America as well as in Australia.

	Tecaris	Polaris HP	Impactis M+	PhysioGo 100A	PhysioGo 200A	PhysioGo 300A	PhysioGo 400C	PhysioGo 500I	PhysioGo 600C	PhysioGo 700C	PhysioGo 700I	PhysioMG 815	PhysioMG 825	PhysioMG 827	PhysioGo.Lite ELECTRO	PhysioGo.Lite SONO	PhysioGo.Lite COMBO	PhysioGo.Lite LASER	Lumina	Avaco
ELECTROTHERAPY	●			●	●		●		●	●					●		●			
BIOSTIMULATION LASER THERAPY		○					●	○	○	○	○							●		
HIGH POWER LASER THERAPY		●																		
MAGNETOTHERAPY								○			○	●	●	●						
VACUUM THERAPY																				●
ULTRASOUND THERAPY				●	○			●	○	○						●	○			
INFRARED THERAPY																		●		
SHOCKWAVE THERAPY			●																	
COMBINED THERAPY					○				○	○							○			
TECAR THERAPY	●																			

BASIC FUNCTIONS

OPTIONAL FUNCTIONS





Tecaris

Radio Frequency Current Therapy – TECAR

TECAR

Transfer of energy capacitive and resistive therapy

FUNCTIONALITY

- indicator of the level of contact between the electrode and the patient's body (patient impedance measured throughout the treatment)
- measurement of effective treatment time (operation time measured in full contact with the patient's body)
- measurement of total treatment time

INTUITIVE OPERATION

- 7" touchscreen
- STAND BY/ CHANGE key – option to select parameters for editing without touching screen during treatment





TECAR AND MANUAL THERAPY

The combination of TECAR therapy with manual therapy, with the active participation of the patient, increases the effectiveness of treatment.

This makes it possible to shorten the recovery time.



MONITORING OF ELECTRODE CONTACT

Precise indicator of the contact between the electrode and the patient's body during treatment.



To make it easier to arrange cables during and after treatment, magnets have been installed on the cables



Tecaris



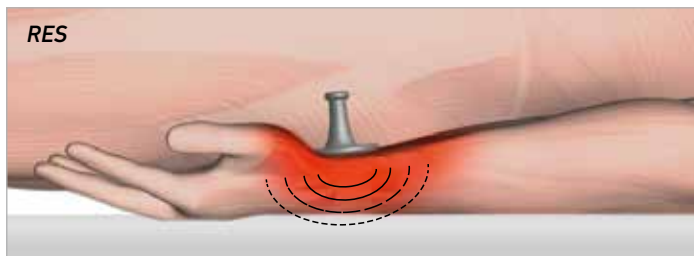
TECAR THERAPY

- three modes of operation
 - capacitive – **CAP**
 - resistive – **RES**
 - **IASTM** – working with dedicated tools for soft tissue therapy (Instrument Assisted Soft Tissue Mobilisation – IASTM)
- four working frequencies – allow stimulation of tissues at different depths
- two ranges of adjustment of the device power level – allow very precise selection of the level of energy delivered to the patient's body during therapy to maximise the effectiveness of the treatment
- electrode contact level indicator with patient's body (patient's impedance measured throughout the treatment)
- AM – current modulation in the patient's circuit
- measurement of effective treatment time (working time measured in full contact with the patient's body)
- measurement of the total treatment time
- two types of applicators for active electrodes:
 - angular
 - straight (optional)
- wide range of capacitive and resistive electrodes
- IASTM KISS applicator (optional)
- 3 types of passive electrodes:
 - flat 32x23 cm
 - flat 24x16 cm (optional)
 - cylindrical (optional)

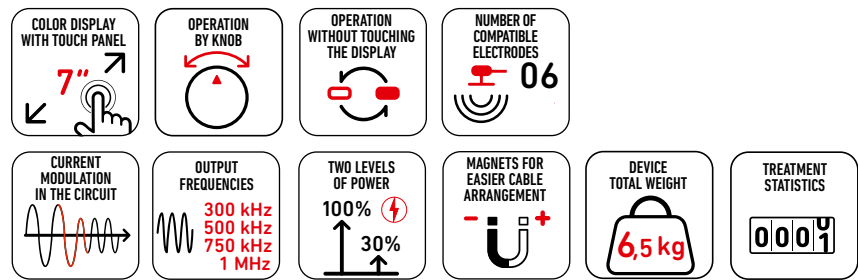
IASTM KISS applicator



THERMAL EFFECT ON THE BODY
OF THE APPLIED OPERATING MODES



Operation with instruments for soft tissue therapy
(Instrument Assisted Soft Tissue Mobilization)



TECHNICAL PARAMETERS

Tecaris

TREATMENT PARAMETERS

output signal frequency	300 kHz, 500 kHz, 750 kHz, 1 MHz
power level adjustment ranges	0 – 30% step 1%; 0 – 100% step 4%
treatment timer	1 – 60 minutes, step 1 minute

GENERAL PARAMETERS

device dimensions (WxDxH)	36,1 x 30,4 x 15,1 cm
device weight	6,5 kg
mains supply	230 V ± 10%, 50/60 Hz (optional 120 V ± 6% 50/60 Hz)

STANDARD PARTS

Tecaris controller	1 pc.
mains cable	1 pc.
flat passive electrode, 32x23 cm	1 pc.
neutral electrode cable with clamp	1 pc.
angular applicator for active electrode	1 pc.
resistive electrode, 25 mm in diameter	1 pc.
resistive electrode, 40 mm in diameter	1 pc.
resistive electrode, 55 mm in diameter	1 pc.
capacitive electrode, 25 mm in diameter	1 pc.
capacitive electrode, 40 mm in diameter	1 pc.
capacitive electrode, 55 mm in diameter	1 pc.
elastic velcro belt 40x10 cm or 40x9 cm	1 pc.
elastic velcro belt 100x10 cm or 100x9 cm	1 pc.
RF cream	1 pc.
bottle dispenser	1 pc.
holder for applicators	1 pc.
screwdriver for holder mounting	1 pc.
screws M3x8WP for holder mounting	3 pcs.
spare time-lag fuses	2 pcs.
for 230 V – T3.15L250V, 3.15 A, 250 V	
for 120 V – T6.3L250V, 6.3 A, 250 V	
LCD touchscreen cloth	1 pc.
touchscreen pen	1 pc.
instructions for use	1 pc.
electrical safety inspection report	1 pc.

OPTIONAL PARTS

convex resistive electrode, 14 mm in diameter
convex resistive electrode, 40 mm in diameter
IASTM KISS applicator
IASTM applicator cable
straight applicator for active electrode
cylindrical neutral electrode
flat neutral electrode, size 24x16cm
resistive electrode, 70 mm diameter
capacitive electrode, 70 mm diameter
Versa/ Versa X/ Versa XUVC trolley
bag for the unit and additional parts

Polaris HP



High power and biostimulation laser therapy
in two versions

Polaris HP M 8 W

One laser module with a wavelength of 808 nm and a power of 8 W.

Polaris HP S 18 W

Two laser modules at wavelengths of 808 and 980 nm with power of 8 and 10 W.
This provides an applied energy at peak power of 18 W.

FUNCTIONALITY

- 7" touchscreen
- modern intuitive interface
- illustrated treatment encyclopaedia
- treatment sequences
- treatment statistics

ERGONOMY

convenient and stable
applicator holder



comfortable knob



EMISSION MODES

- continuous
- pulse
- superpulse



ENCYCLOPAEDIA

graphical and textual presentation
of the treatment methodology



DILA

- The Deep Intratissue Laser Adapter is an optical system that allows the laser beam to be shaped in such a way as to compensate for the loss of power in superficial tissues, causing practical elimination of the thermal effect in the skin and subcutaneous tissue.
- adapter applied for deeply located tissues and large treatment areas



protective glasses
for the therapist and patient



adapters for HP laser probe
of 1 and 5 cm²



Polaris HP



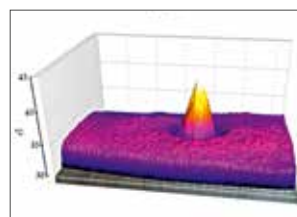
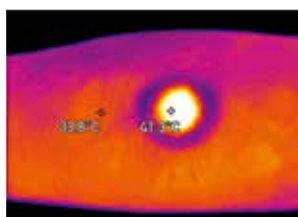
LASER THERAPY

- three application adapters: 1 cm², 5 cm², DILA
- emission modes: continuous, pulse and superpulse
- laser power regulation
- duty factor regulation
- possibility of automatic treatment repetition

OPTIONAL

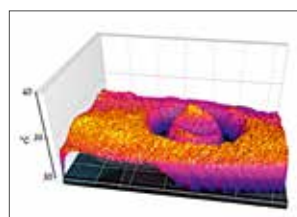
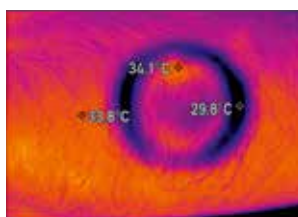
- it cooperates with R, IR probes, cluster applicator and scanning applicator
- built-in laser power measurement test – scanning applicator and point probes
- automatic treatment time calculation on the basis of treatment parameters – dosage, power, duty factor, treatment area and the distance between the scanning applicator and the patient's body
- three treatment area irradiation patterns in scanning applicator
- optical fiber applicators for laserpuncture and laryngology
- dedicated modes for working with optic fiber applicators
- independent parameter settings for both high power sources
- pilot beam indicating the place of application – scanning and cluster applicator high power laser applicator

Figures and graphs present the thermal effect on the skin surface after application of a high power laser having a wavelength of 808 nm, output power of 4 W in continuous mode of operation. After 30 sec. of irradiation with 5 cm² application adapter, the surface temperature of the treatment area increased from 33.9°C to 41.3°C.



Application adapter – 5 cm²

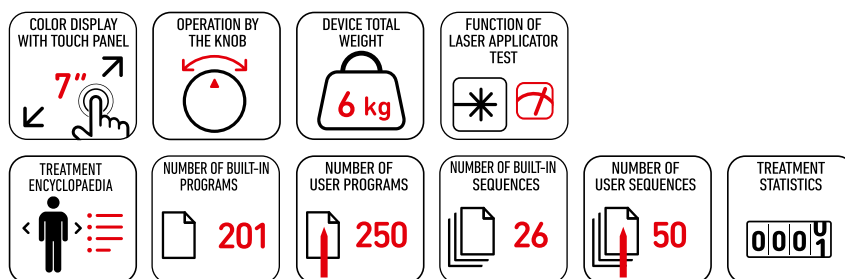
The exact parameters have been applied for the irradiation of the treatment area with the same structure with the use of DILA adapter. The temperature at the surface of the skin increased from 33.9°C to 34.1°C. This shows that the transmitted energy penetrates far deeper, and consequently it results in lower heating of the surface tissues and deeper thermal effect.



DILA



Radiation beam formed in the DILA adapter (visible in glass of water).



TECHNICAL PARAMETERS

Polaris HP S, 18W

Polaris HP M, 8W

high power laser applicators		
wavelength of high power laser applicator	808 i 980 nm	808 nm
peak output power	max. 18 W	max. 8 W
average output power	max. 10 W	max. 8 W
frequency in pulse mode	1 – 10 000 Hz	1 – 10 000 Hz
duty factor in pulse mode	1 – 90%	1 – 90%
biostimulation laser probes		
red light probe wavelength		660 nm
red light probe maximum power		80 mW
infrared light probe wavelength		808 nm
infrared light probe maximum power		400 mW
power adjustment		25%, 50%, 75%, 100%
frequency in pulse mode		1 – 5000 Hz
duty factor in pulse mode		5 – 90%, impulse 50 µs
scanning laser applicator		
scanning applicator wavelength		808 and 660 nm
scanning applicator maximum power		450 and 100 mW
power adjustment		50%, 100%
frequency in pulse mode		1 – 5000 Hz
duty factor for scanning applicator		75%
cluster laser applicator		
cluster applicator wavelength		4x 808 nm and 5x 660 nm
cluster applicator maximum power		4x 400 mW and 5x 40 mW
power adjustment		50%, 100%
frequency in pulse mode		1 – 5000 Hz
duty factor in pulse mode		5 – 90%, impulse 50 µs
laser device class		4
treatment timer		1 s – 100 min.
dimensions		
dimensions		36,1 x 30,4 x 15,1 cm
weight		6 kg
mains supply, power consumption		230 V, 50 Hz, 150 VA

STANDARD PARTS

Polaris HP S, 18W

Polaris HP M, 8W

mains cable	1 pc.	1 pc.
HP probe	808 nm/8 W, 980 nm/10 W	808 nm/8 W
application adapter – 1 cm ²	1 pc.	1 pc.
application adapter – 5 cm ²	1 pc.	1 pc.
measurement adapter for HP probe	1 pc.	1 pc.
laser therapy protective goggles	2 pcs.	2 pcs.
laser warning labels	1 set	1 set
DOOR blocking plug	1 pc.	1 pc.
laser probe holder	2 pcs.	2 pcs.
screwdriver for mounting the handle	1 pc.	1 pc.
touch screen pen	1 pc.	1 pc.
LCD touch screen cloth	1 pc.	1 pc.
spare fuses	2 pcs.	2 pcs.
instructions for use	1 pc.	1 pc.
therapeutic guide	1 pc.	1 pc.
electrical safety test report	1 pc.	1 pc.

OPTIONAL PARTS

point applicator R 660 nm/ 80 mW with holder
point applicator IR 808 nm/ 400 mW with holder
scanning applicator R+IR 100 mW + 450 mW with stand
cluster laser applicator CL 1800 R 5x 40 mW i IR 4x 400 mW with holder
cluster applicator stand
optical fiber applicators: straight ø 6 mm, angled 45 ø 6 mm, angled 45 ø 6 mm narrowed for laser acupuncture with holder
DILA adapter for high power laser probe
bag for the unit and additional parts
Versa/ Versa X/ Versa XUV C trolley

NOTICE!

Biostimulation laser therapy applicators are not part of the standard equipment of the unit. These must be purchased separately. The availability of the device's parameters depends on the chosen configuration of additional parts.

Impactis M+



Shockwave therapy

PULSE EMISSION MODES

- single
- continuous
- burst
- interval

FUNCTIONALITY

- 7" touchscreen
- modern intuitive interface
- illustrated treatment encyclopaedia
- anatomical mode
- treatment statistics
- favourite programs

ERGONOMY

- convenient
- and durable
- applicator holder



comfortable knob



ANATOMICAL MODE

built-in treatment programs are assigned to individual parts of the body



PROGRAM MODE

predefined treatment programs are selected from a list



Impactis M+



SHOCKWAVE THERAPY

- shockwave emission modes: single, continuous, burst, interval
- applicator with integrated spring shock absorber
- ergonomically shaped applicator to improve grip comfort
- life of the projectile system – 2 million shocks
- life of transmitters – 2 million shocks
- constant monitoring of the wear of the projectile system and transmitters
- the applicator regeneration kit allows for another 2,000,000 shocks
- titanium transmitter of 15 mm
- stainless steel transmitters (10, 15, 20 mm)

OPTIONAL

- transmitter dedicated to aesthetic medicine 35 mm
- titanium transmitters (10, 20 mm)

TECHNOLOGY

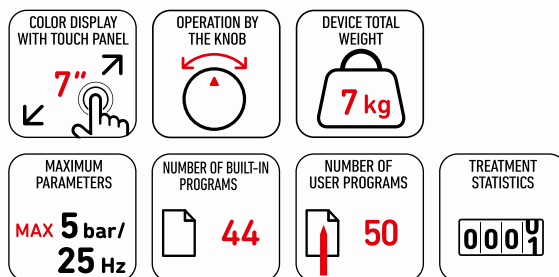
- ergonomic grip
- applicator shock absorption system

RELIABILITY

- ballistic system life of 2 million shocks
- shock number statistics
- the applicator regeneration kit allows for another 2 million shocks



transmitters in sizes 10, 15 and 20 mm
and a 35 mm transmitter dedicated to aesthetic medicine



TECHNICAL PARAMETERS

Impactis M+

compressor pressure	1 – 5 bar
emission frequency of impulses (shocks)	1 – 25 Hz
shock number	1 – 10 000
projectile system life	2 million shocks
transmitter life	2 million shocks

dimensions	36,1 x 30,4 x 15,1 cm
weight	7 kg
mains supply	100-240 V, 50/60 Hz
power consumption	24VDC 6,25A

SHOCKWAVE PARAMETERS (MAXIMUM OPERATING PRESSURE)

energy density, TR10 steel transmitter	0,38 mJ/mm ²
energy density, TR15 steel transmitter	0,64 mJ/mm ²
energy density, TR20 steel transmitter	0,82 mJ/mm ²
energy density, TR35 steel transmitter	0,95 mJ/mm ²
energy density, TR10-Ti titanium transmitter	0,38 mJ/mm ²
energy density, TR15-Ti titanium transmitter	0,53 mJ/mm ²
energy density, TR20-Ti titanium transmitter	0,82 mJ/mm ²
positive pressure	max. 13,1 MPa
negative pressure	max. -11,3 MPa

STANDARD PARTS

mains cable	1 pc.
switch mode power supply	1 pc.
shockwave applicator	1 pc.
steel transmitter 10 mm	1 pc.
steel transmitter 15 mm	1 pc.
steel transmitter 20 mm	1 pc.
titanium transmitter 15 mm	1 pc.
spare gaskets 8x3; 12x3; 13x3	2 pcs. of each size
spare elastomer spring	2 pcs.
gel 500 g	1 pc.
applicator holder	1 pc.
screwdriver for mounting the handle	1 pc.
touch screen pen	1 pc.
LCD touch screen cloth	1 pc.
spare fuses	1 pc.
instructions for use	1 pc.
electrical safety test report	1 pc.

OPTIONAL PARTS

steel transmitter 35 mm – for aesthetic medicine
titanium transmitters 10 mm, 20 mm
projectile system regeneration kit with a tool (Allen key)
bag for the unit and additional parts
Versa/ Versa X/ Versa XUVC trolley

TITANIUM TRANSMITTER



PhysioGo

Multifunctional physiotherapy



i NOVO
AWARDS
2015

DESIGN
WINNER

FUNCTIONALITY

- 7" touchscreen
- modern intuitive interface
- extensive database of built-in programs
- users can save their own treatment programs and sequences

THREE INDEPENDENT TREATMENT CHANNELS

Up to three independent treatments possible at the same time

PHG 300A

PHG 400C

PHG 700C

PHG 700I





SLIDING FEET

they allow to adjust the angle of the screen



ENCYCLOPAEDIA

list of in-built programs with illustrated treatment methodology



FIVE THERAPIES

Each device in the series offers a different set of therapies to meet the individual needs of physiotherapists



CLASSIFICATION OF TREATMENT PROGRAMS ACCORDING TO MEDICAL NOMENCLATURE

- Orthopedics
- Sports medicine
- Aesthetic medicine
- Rheumatology
- Neurology
- Urology
- Dermatology
- Angiology

MOBILITY

Battery (optional part).

Devices with batteries from the PHG family have a number ending in their name that ends with 1, e.g. PHG 7011
The battery allows you to work up to 4 hours.



PhysioGo 100A

ELECTROTHERAPY

- operation in CC (current stabilization) or CV (voltage stabilization) modes
- intensity adjustment in the patient circuit simultaneously for both channels or separately
- full galvanic insulation between channels in any mode
- electrodes test
- treatment sequences

CURRENTS AND METHODS

- interferential (dynamic, isoplanar, AMF current))
- TENS (symmetric, asymmetric, alternating, burst)
- TENS for spastic paralysis
- Kotz' current (Russian stimulation)
- tonolysis
- diadynamic currents (MF, DF, CP, CP-ISO, LP)
- pulse currents (rectangular, triangular)
- pulse currents: Träbert's, Leduc's and neofaradic currents
- USS – Unipolar Sine Surge
- galvanic current
- microcurrents

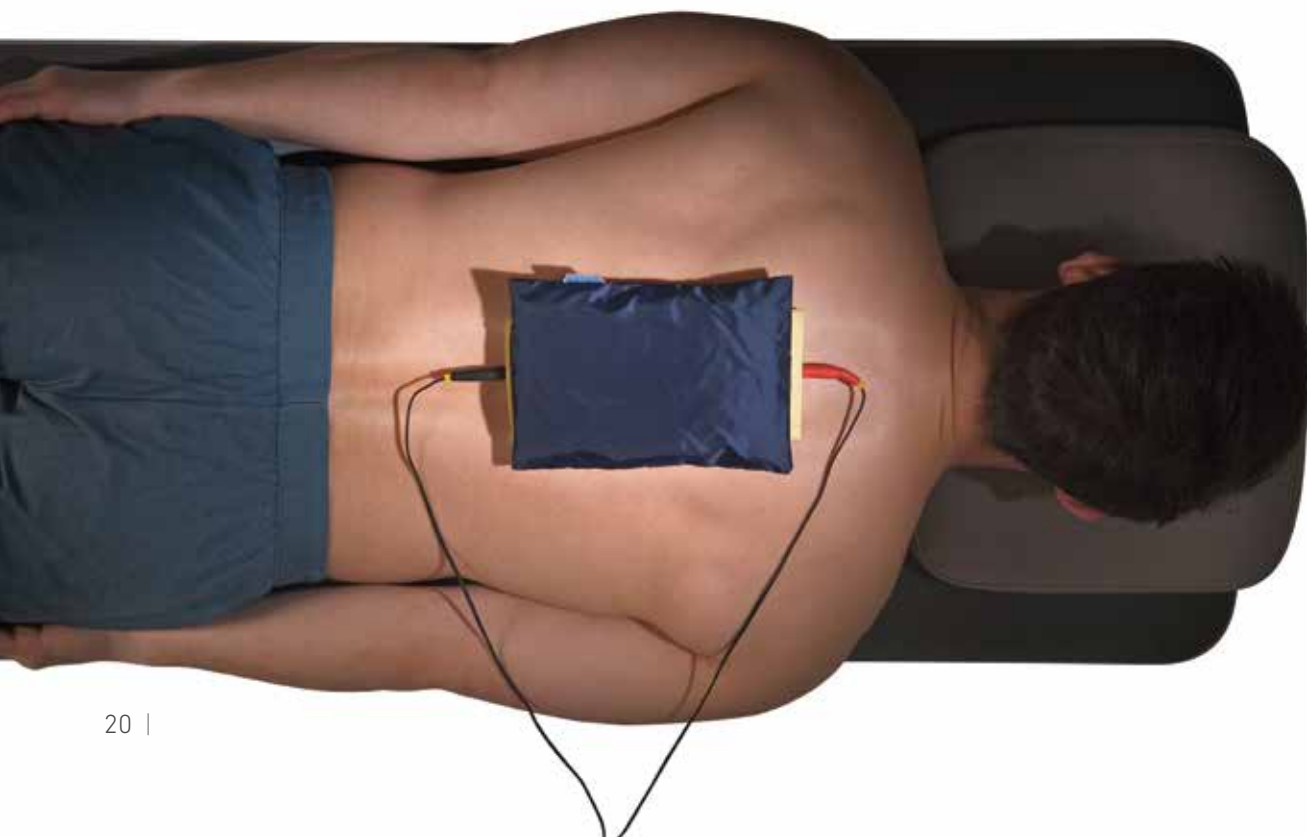
ELECTRODIAGNOSTICS

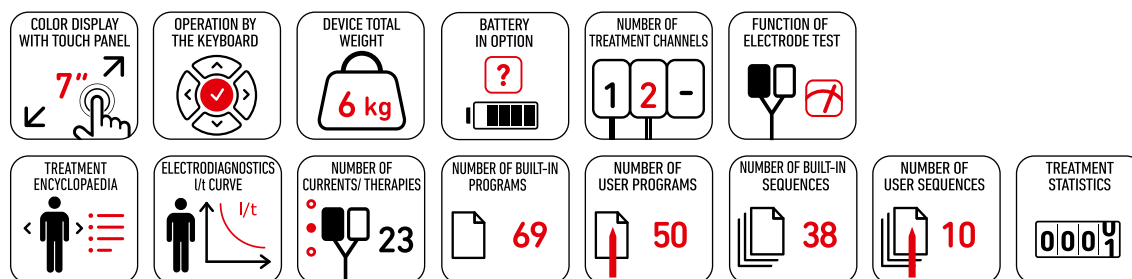
- electrodiagnostics with graphical presentation of the I/t curve
- automatically calculated rheobase, chronaxie, accommodation factor and quotient

Battery (optional part). Devices with batteries from the PHG family have a number ending in their name that ends with 1, e.g. PHG 7011



Two independent treatment channels





TECHNICAL PARAMETERS

PhysioGo 100A

ELECTROTHERAPY PARAMETERS

max. constant current in patient's circuit (CC mode)

galvanic current	40 mA
diadynamic, pulse currents	60 mA
interferential, Kotz' currents, unipolar sine surge	100 mA
TENS and SP-TENS currents	140 mA
tonolysis	100 mA
microcurrents	1000 µA
max. voltage in patient's circuit (CV mode)	140 V
treatment timer	30 s – 60 min.

dimensions	34 x 28 x 11-16 cm
weight	6 kg
battery type	Li-Ion
battery capacity	2250 mAh
mains supply	230 V, 50/60 Hz
power consumption	max. 90 VA

STANDARD PARTS

mains cable	1 pc.
patient's cables	2 pcs.
electrodes 6 x 6 cm	4 pcs.
electrodes 7,5 x 9 cm	2 pcs.
viscose electrode covers 8 x 8 cm	8 pcs.
viscose electrode covers 10 x 10 cm	4 pcs.
elastic velcro straps 40 x 9 cm	2 pcs.
elastic velcro straps 100 x 9 cm	2 pcs.
LCD touch screen pen	1 pc.
LCD touch screen cloth	1 pc.
spare fuses	2 pcs.
masking covers without cutout	2 pcs.
instructions for use	1 pc.
technical description	1 pc.
electrical safety test report	1 pc.

OPTIONAL PARTS

self-adhesive electrodes 5 x 5 cm, 5 x 10 cm
point electrodes with adapter 6 mm, 10 mm, 15 mm, 20 mm
sand bags 21 x 14 cm, 21 x 28 cm
combination therapy cable
bag for the unit and additional parts
Versa/ Versa X/ Versa XUV trolley
battery



PhysioGo 200A

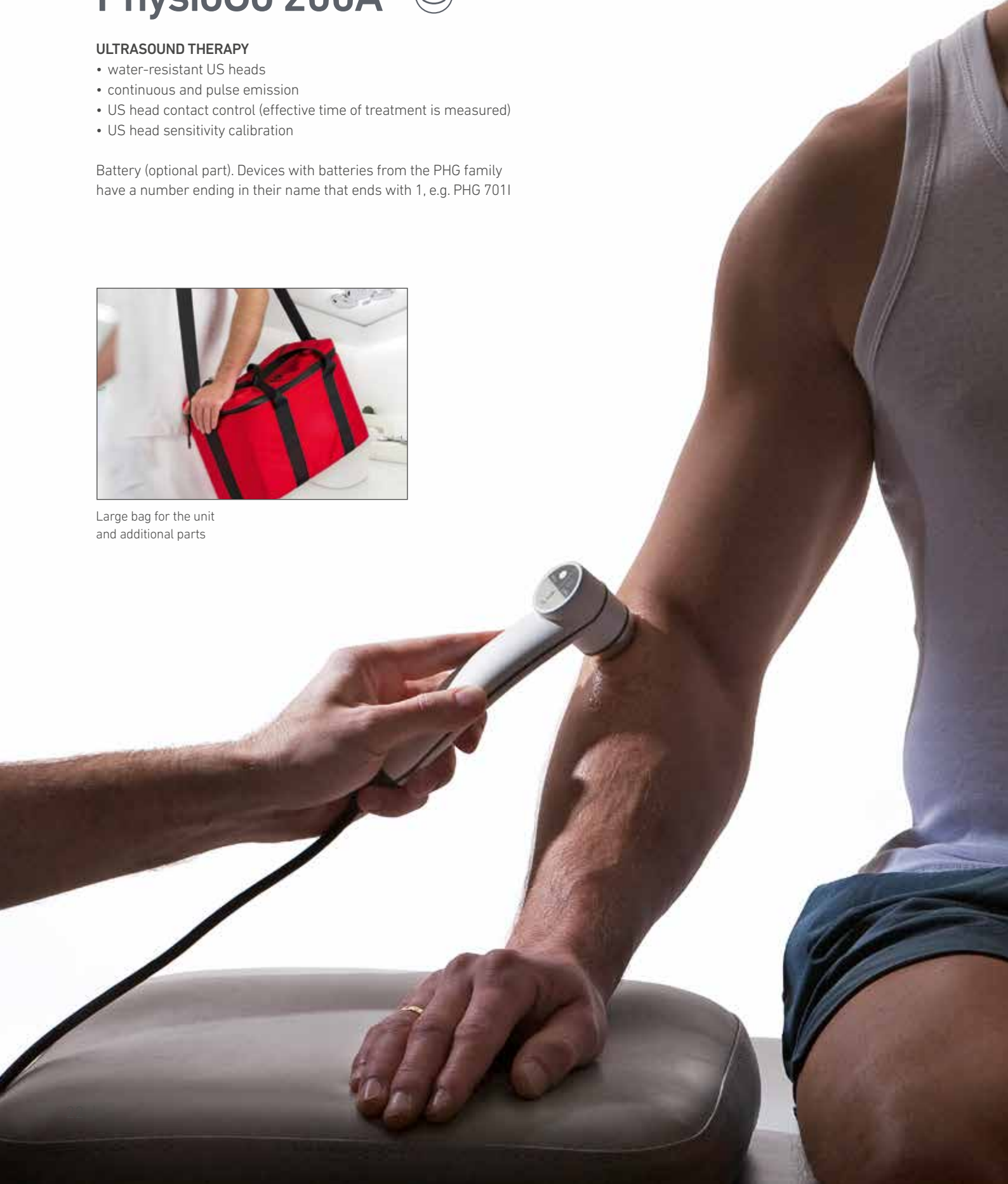
ULTRASOUND THERAPY

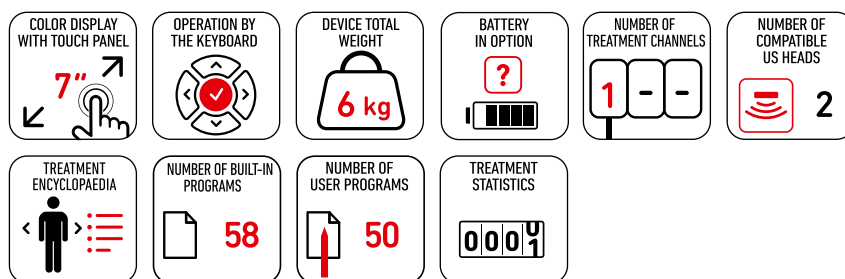
- water-resistant US heads
- continuous and pulse emission
- US head contact control (effective time of treatment is measured)
- US head sensitivity calibration

Battery (optional part). Devices with batteries from the PHG family have a number ending in their name that ends with 1, e.g. PHG 7011



Large bag for the unit and additional parts





TECHNICAL PARAMETERS

PhysioGo 200A

ULTRASOUND THERAPY PARAMETERS

operation frequency	1 MHz and 3,5 MHz
effective radiating area	1 cm ² , 4 cm ²
max ultrasound intensity – continuous/ pulse mode	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 min.

dimensions	34 x 28 x 11–16 cm
weight	6 kg
battery type	Li-Ion
battery capacity	2250 mAh
mains supply	230 V, 50/60 Hz
power consumption	90 VA

STANDARD PARTS

mains cable	1 pc.
ultrasound gel 500 g	1 pc.
LCD touch screen pen	1 pc.
LCD touch screen cloth	1 pc.
masking covers with cutout	2 pcs.
masking covers without cutout	2 pcs.
spare fuses	2 pcs.
instructions for use	1 pc.
technical description	1 pc.
electrical safety test report	1 pc.

OPTIONAL PARTS

ultrasound head 1/3,5 MHz, 1 cm ² with holder	
ultrasound head 1/3,5 MHz, 4 cm ² with holder	
combination therapy cable	
bag for the unit and additional parts	
Versa/ Versa X/ Versa XUVC trolley	
battery	

NOTICE!

The ultrasound heads are not part of the standard equipment. These must be purchased separately.
The availability of the device's parameters depends on the chosen configuration of additional parts.



Ultrasound heads of 4 and 1 cm²



PhysioGo 300A



ELECTROTHERAPY

- operation in CC (current stabilization) or CV (voltage stabilization) modes
- intensity adjustment in the patient circuit simultaneously for both channels or separately
- full galvanic insulation between channels in any mode
- electrodes test
- treatment sequences

CURRENTS AND METHODS

- interferential (dynamic, isoplanar, AMF current))
- TENS (symmetric, asymmetric, alternating, burst)
- TENS for spastic paralysis
- Kotz' current (Russian stimulation)
- tonolysis
- diadynamic currents (MF, DF, CP, CP-ISO, LP)
- pulse currents (rectangular, triangular)
- pulse currents: Träbert's, Leduc's and neofaradic currents
- USS – Unipolar Sine Surge
- galvanic current
- microcurrents

ELECTRODIAGNOSTICS

- electrodiagnostics with graphical presentation of the I/t curve
- automatically calculated rheobase, chronaxie, accommodation factor and quotient

ULTRASOUND THERAPY

- water-resistant US heads
- continuous and pulse emission
- US head contact control (effective time of treatment is measured)
- US head sensitivity calibration

COMBINED THERAPY

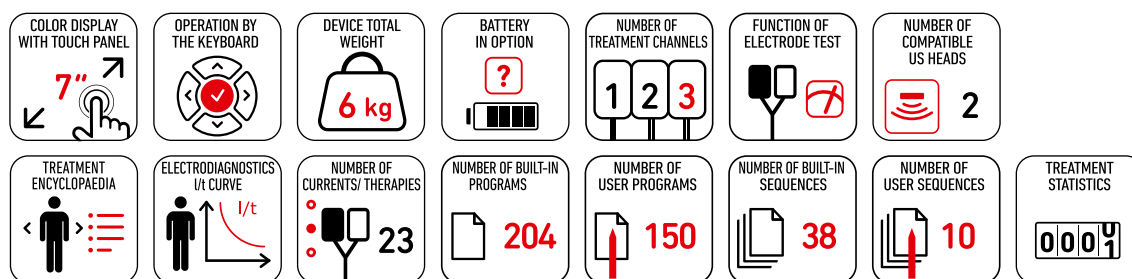
- operation in CC (current stabilization) or CV (voltage stabilization) modes

CURRENTS IN COMBINATION THERAPY

- interferential AMF current
- symmetric TENS
- asymmetric TENS
- alternating TENS
- burst TENS
- Kotz' current (Russian stimulation)

Battery (optional part). Devices with batteries from the PHG family have a number ending in their name that ends with 1, e.g. PHG 7011





TECHNICAL PARAMETERS

PhysioGo 300A

ELECTROTHERAPY PARAMETERS

max. constant current in patient's circuit (CC mode)

galvanic current	40 mA
diadynamic, pulse currents	60 mA
interferential, Kotz' currents, unipolar sine surge	100 mA
TENS and SP-TENS currents	140 mA
tonolysis	100 mA
microcurrents	1000 µA
max. voltage in patient's circuit (CV mode)	140 V
treatment timer	30 s – 60 min.

ULTRASOUND THERAPY PARAMETERS

operation frequency	1 MHz and 3,5 MHz
effective radiating area	1 cm ² , 4 cm ²
max ultrasound intensity - continuous/ pulse mode	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 min.

dimensions	34 x 28 x 11–16 cm
weight	6 kg
battery type	Li-Ion
battery capacity	2250 mAh
mains supply	230 V, 50/60 Hz
power consumption	90 VA

STANDARD PARTS

mains cable	1 pc.
patient's cables	2 pcs.
electrodes 6 x 6 cm	4 pcs.
electrodes 7,5 x 9 cm	2 pcs.
viscose electrode covers 8 x 8 cm	8 pcs.
viscose electrode covers 10 x 10 cm	4 pcs.
elastic velcro straps 40 x 9 cm	2 pcs.
elastic velcro straps 100 x 9 cm	2 pcs.
ultrasound gel 500 g	1 pc.
LCD touch screen pen	1 pc.
LCD touch screen cloth	1 pc.
masking covers with cutout	2 pcs.
masking covers without cutout	2 pcs.
spare fuses	2 pcs.
instructions for use	1 pc.
technical description	1 pc.
electrical safety test report	1 pc.

OPTIONAL PARTS

self-adhesive electrodes 5 x 5 cm, 5 x 10 cm
point electrodes with adapter 6 mm, 10 mm, 15 mm, 20 mm
sand bags 21 x 14 cm, 21 x 28 cm
ultrasound head 1/3,5 MHz, 1 cm ² with holder
ultrasound head 1/3,5 MHz, 4 cm ² with holder
bag for the unit and additional parts
Versa/ Versa X/ Versa XUV trolley
battery

NOTICE!

The ultrasound heads are not part of the standard equipment. These must be purchased separately. The availability of the device's parameters depends on the chosen configuration of additional parts.



PhysioGo 400C

LASER THERAPY

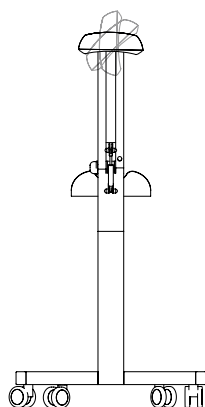
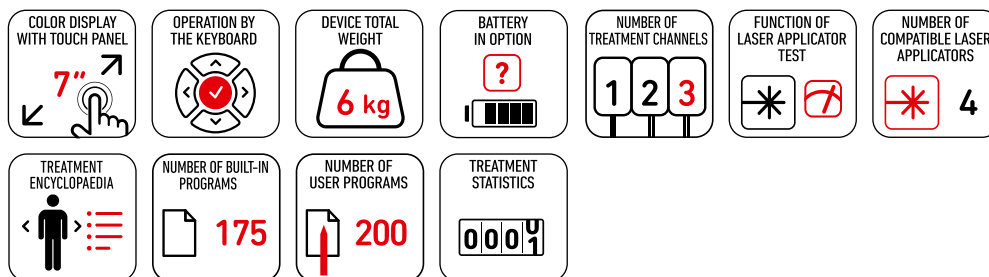
- it cooperates with R, IR probes, cluster applicator and scanning applicator
- emission modes: continuous and pulse
- laser power regulation
- duty factor regulation
- built-in laser power measurement test – scanning applicator and point probes
- automatic treatment time calculation on the basis of treatment parameters – dosage, power, duty factor, treatment area and the distance between the scanning applicator and the patient's body
- three treatment area irradiation patterns in scanning applicator
- dedicated modes for working with optic fiber applicators
- optical fiber applicators for laserpuncture and laryngology
- pilot beam indicating the place of application – scanning and cluster applicator

Battery (optional part). Devices with batteries from the PHG family have a number ending in their name that ends with 1, e.g. PHG 7011



Possible applicator regulation
(60-140 cm)





TECHNICAL PARAMETERS

PhysioGo 400C

LASER THERAPY PARAMETERS

biostimulation laser probes

red light probe wavelength	660 nm
red light probe maximum power	80 mW
infrared light probe wavelength	808 nm
infrared light probe maximum power	400 mW
power adjustment	25%, 50%, 75%, 100%
frequency in pulse mode	1 – 5000 Hz
duty factor in pulse mode	10 – 90%, impulse 50 µs

scanning laser applicator

scanning applicator wavelength	808 and 660 nm
scanning applicator maximum power	450 and 100 mW
power adjustment	50%, 100%
frequency in pulse mode	1 – 5000 Hz
duty factor for scanning applicator	75%

cluster laser applicator

cluster applicator wavelength	4x 808 nm and 5x 660 nm
cluster applicator maximum power	4x 400 mW and 5x 40 mW
power adjustment	50%, 100%
frequency in pulse mode	1 – 5000 Hz
duty factor in pulse mode	10 – 90%, impulse 50 µs

laser device class

laser device class	3B
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treatment timer

treatment timer	1 s – 100 min.
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dimensions	34 x 28 x 11-16 cm
weight	6 kg
battery type	Li-Ion
battery capacity	2250 mAh
mains supply	230 V, 50/60 Hz
power consumption	90 VA

STANDARD PARTS

mains cable	1 pc.
laser therapy protective goggles	2 pcs.
laser warning labels	1 set
DOOR blocking plug	1 pc.
LCD touch screen pen	1 pc.
LCD touch screen cloth	1 pc.
masking covers with cutout	2 pcs.
masking covers without cutout	2 pcs.
spare fuses	2 pcs.
instructions for use	1 pc.
technical description	1 pc.
electrical safety test report	1 pc.

OPTIONAL PARTS

point applicator R 660 nm/80 mW with holder	
point applicator IR 808 nm/400 mW with holder	
scanning applicator R+IR 100 mW + 450 mW with stand	
cluster laser applicator CL 1800 R 5x40 mW and IR 4x400 mW with holder	
cluster applicator stand	
optical fiber applicators: stright ø 6 mm, angled 45 ø 6 mm, angled 45 ø 6 mm narrowed for laser acupuncture with holder	
bag for the unit and additional parts	
Versa/ Versa X/ Versa XUV trolley	
battery	

NOTICE!

Laser applicators are not part of the STANDARD PARTS of the unit. These must be purchased separately.
The availability of the device's parameters depends on the chosen configuration of additional parts.



PhysioGo 500I



ELECTROTHERAPY

- operation in CC (current stabilization) or CV (voltage stabilization) modes
- intensity adjustment in the patient circuit simultaneously for both channels or separately
- full galvanic insulation between channels in any mode
- electrodes test
- treatment sequences

CURRENTS AND METHODS

- interferential (dynamic, isoplanar, AMF current))
- TENS (symmetric, asymmetric, alternating, burst)
- TENS for spastic paralysis
- Kotz' current (Russian stimulation)
- tonolysis
- diadynamic currents (MF, DF, CP, CP-ISO, LP)
- pulse currents (rectangular, triangular)
- pulse currents: Träbert's, Leduc's and neofaradic currents
- USS – Unipolar Sine Surge
- galvanic current
- microcurrents

ELECTRODIAGNOSTICS

- electrodiagnostics with graphical presentation of the I/t curve
- automatically calculated rheobase, chronaxie, accommodation factor and quotient

LASER THERAPY

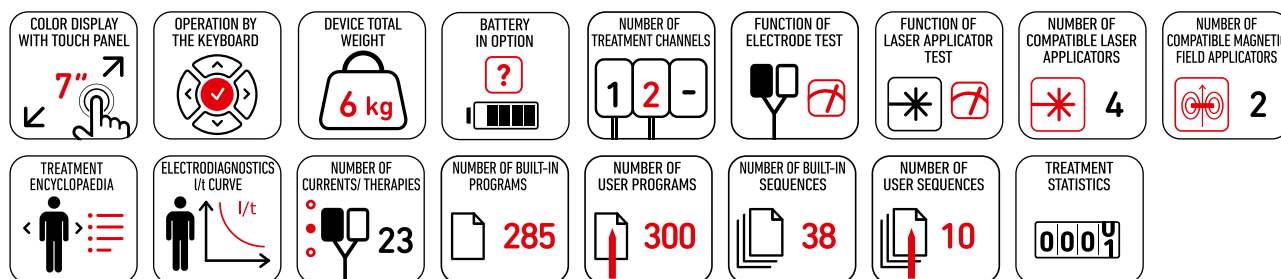
- it cooperates with R, IR probes, cluster applicator and scanning applicator
- emission modes: continuous and pulse
- laser power regulation
- duty factor regulation
- built-in laser power measurement test – scanning applicator and point probes
- automatic treatment time calculation on the basis of treatment parameters – dosage, power, duty factor, treatment area and the distance between the scanning applicator and the patient's body
- three treatment area irradiation patterns in scanning applicator
- dedicated modes for working with optic fiber applicators
- optical fiber applicators for laserpuncture and laryngology
- pilot beam indicating the place of application – scanning and cluster applicator

MAGNETOTHERAPY

- continuous and pulse emission
- field shape: sinusoidal, triangular, rectangular, semi-sinusoidal, semi-triangular, semi-rectangular
- optional - the unit may be used with coupled plate applicators CPE type in single or dual configuration
- convenient fastening of applicators by velcro belts
- sensory indicator of magnetic field activity

Battery (optional additional parts). Devices with batteries from the PHG family have a number ending in their name that ends with 1, e.g. PHG 7011





TECHNICAL PARAMETERS

PhysioGo 500I

STANDARD PARTS

ELECTROTHERAPY PARAMETERS

max. constant current in patient's circuit (CC mode)

galvanic current	40 mA
diadynamic, pulse currents	60 mA
interferential, Kotz' currents, unipolar sine surge	100 mA
TENS and SP-TENS currents	140 mA
tonolysis	100 mA
microcurrents	1000 µA
max. voltage in patient's circuit (CV mode)	140 V
treatment timer	30 s – 60 min.

LASER THERAPY PARAMETERS

biostimulation laser probes

red light probe wavelength	660 nm
red light probe maximum power	80 mW
infrared light probe wavelength	808 nm
infrared light probe maximum power	400 mW
power adjustment	25%, 50%, 75%, 100%
frequency in pulse mode	1 – 5000 Hz
duty factor in pulse mode	10 – 90%, impulse 50 µs

scanning laser applicator

scanning applicator wavelength	808 and 660 nm
scanning applicator maximum power	450 and 100 mW
power adjustment	50%, 100%
frequency in pulse mode	1 – 5000 Hz
duty factor for scanning applicator	75%

cluster laser applicator

cluster applicator wavelength	4x 808 nm and 5x 660 nm
cluster applicator maximum power	4x 400 mW and 5x 40 mW
power adjustment	50%, 100%
frequency in pulse mode	1 – 5000 Hz
duty factor in pulse mode	10 – 90%, impulse 50 µs
laser device class	3B
treatment timer	1 s – 100 min.

MAGNETOTHERAPY PARAMETERS

max magnetic field induction	10 mT (100 Gs)
operation frequency	2 – 120 Hz
parameters of interrupted mode	pulse 1 s/ pause 0,5 – 8 s
treatment timer	30 s – 30 min.

dimensions	34 x 28 x 11-16 cm
weight	6 kg
battery type	Li-Ion
battery capacity	2250 mAh
mains supply	230 V, 50/60 Hz
power consumption	90 VA

mains cable	1 pc.
patient's cables	2 pcs.
electrodes 6 x 6 cm	4 pcs.
electrodes 7,5 x 9 cm	2 pcs.
viscose electrode covers 8 x 8 cm	8 pcs.
viscose electrode covers 10 x 10 cm	4 pcs.
elastic velcro straps 40 x 9 cm	2 pcs.
elastic velcro straps 100 x 9 cm	2 pcs.
laser warning labels	1 set
DOOR blocking plug	1 pc.
LCD touch screen pen	1 pc.
LCD touch screen cloth	1 pc.
masking covers with cutout	2 pcs.
masking covers without cutout	2 pcs.
spare fuses	2 pcs.
instructions for use	1 pc.
technical description	1 pc.
electrical safety test report	1 pc.

OPTIONAL PARTS

self-adhesive electrodes 5 x 5 cm, 5 x 10 cm
point electrodes with adapter 6 mm, 10 mm, 15 mm, 20 mm
sand bags 21 x 14 cm, 21 x 28 cm
point applicator R 660 nm/80 mW with holder
point applicator IR 808 nm/400 mW with holder
scanning applicator R+IR 100 mW + 450 mW with stand
cluster laser applicator CL1800 R 5x40 mW i IR 4x400 mW
cluster applicator stand
optical fiber applicators: stright ø 6 mm, angled 45 ø 6 mm, angled 45 ø 6 mm narrowed for laser acupuncture with holder
laser therapy protective goggles
magnetic field applicator CPE type with covers
magnet
sensory indicator of magnetic field activity
bag for the unit and additional parts
Versa/ Versa X/ Versa XUVc trolley
battery

NOTICE!

The applicators are not part of the standard equipment of the unit. These must be purchased separately. The availability of the device's parameters depends on the chosen configuration of additional parts.



PhysioGo 600C



ULTRASOUND THERAPY

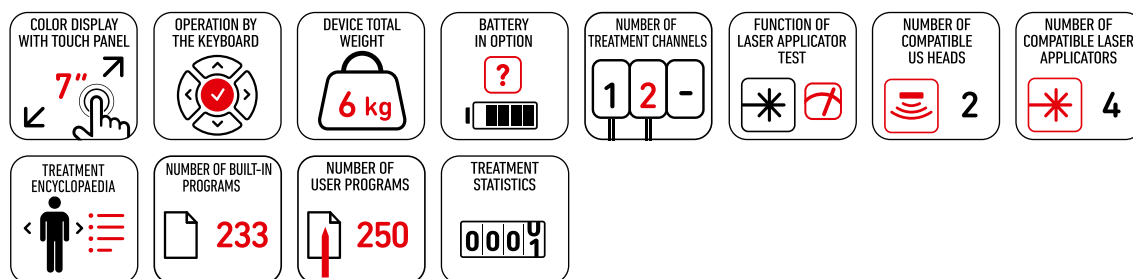
- water-resistant US heads
- continuous and pulse emission
- US head contact control (effective time of treatment is measured)
- US head sensitivity calibration

LASER THERAPY

- it cooperates with R, IR probes, cluster applicator and scanning applicator
- emission modes: continuous and pulse
- laser power regulation
- duty factor regulation
- built-in laser power measurement test – scanning applicator and point probes
- automatic treatment time calculation on the basis of treatment parameters – dosage, power, duty factor, treatment area and the distance between the scanning applicator and the patient's body
- three treatment area irradiation patterns in scanning applicator
- dedicated modes for working with optic fiber applicators
- optical fiber applicators for laserpuncture and laryngology
- pilot beam indicating the place of application – scanning and cluster applicator

Battery (optional part). Devices with batteries from the PHG family have a number ending in their name that ends with 1, e.g. PHG 7011





TECHNICAL PARAMETERS

PhysioGo 600C

STANDARD PARTS

ULTRASOUND THERAPY PARAMETERS

operation frequency	1 MHz and 3,5 MHz
effective radiating area	1 cm ² , 4 cm ²
max ultrasound intensity – continuous/ pulse mode	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 min.

LASER THERAPY PARAMETERS

biostimulation laser probes	
red light probe wavelength	660 nm
red light probe maximum power	80 mW
infrared light probe wavelength	808 nm
infrared light probe maximum power	400 mW
power adjustment	25%, 50%, 75%, 100%
frequency in pulse mode	1 – 5000 Hz
duty factor in pulse mode	10 – 90%, impulse 50 µs

scanning laser applicator

scanning applicator wavelength	808 and 660 nm
scanning applicator maximum power	450 and 100 mW
power adjustment	50%, 100%
frequency in pulse mode	1 – 5000 Hz
duty factor for scanning applicator	75%

cluster laser applicator

cluster applicator wavelength	4x 808 nm and 5x 660 nm
cluster applicator maximum power	4x 400 mW and 5x 40 mW
power adjustment	50%, 100%
frequency in pulse mode	1 – 5000 Hz
duty factor in pulse mode	10 – 90%, impulse 50 µs

laser device class

laser device class	3B
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treatment timer

treatment timer	1 s – 100 min.
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dimensions	34 x 28 x 11-16 cm
weight	6 kg
battery type	Li-Ion
battery capacity	2250 mAh
mains supply	230 V, 50/60 Hz
power consumption	90 VA

mains cable	1 pc.
ultrasound gel 500 g	1 pc.
laser warning labels	1 set
DOOR blocking plug	1 pc.
LCD touch screen pen	1 pc.
LCD touch screen cloth	1 pc.
masking covers with cutout	2 pcs.
masking covers without cutout	2 pcs.
spare fuses	2 pcs.
instructions for use	1 pc.
technical description	1 pc.
electrical safety test report	1 pc.

OPTIONAL PARTS

ultrasound head1/3,5 MHz, 1 cm ² with holder	
ultrasound head1/3,5 MHz, 4 cm ² with holder	
point applicator R 660 nm/80 mW with holder	
point applicator IR 808 nm/400 mW with holder	
scanning applicator R+IR 100 mW + 450 mW with stand	
cluster laser applicator CL1800 R 5x40 mW i IR 4x400 mW	
cluster applicator stand	
optical fiber applicators: straight ø 6 mm, angled 45 ø 6 mm, angled 45 ø 6 mm narrowed for laser acupuncture with holder	
laser therapy protective goggles	
bag for the unit and additional parts	
Versa/ Versa X/ Versa XUV trolley	
battery	

NOTICE!

The applicators and ultrasound heads are not part of the standard equipment. These must be purchased separately. The availability of the device's parameters depends on the chosen configuration of additional parts.



PhysioGo 700C



ELECTROTHERAPY

- operation in CC (current stabilization) or CV (voltage stabilization) modes
- intensity adjustment in the patient circuit simultaneously for both channels or separately
- full galvanic insulation between channels in any mode
- electrodes test
- treatment sequences

CURRENTS AND METHODS

- interferential (dynamic, isoplanar, AMF current))
- TENS (symmetric, asymmetric, alternating, burst)
- TENS for spastic paralysis
- Kotz' current (Russian stimulation)
- tonolysis
- diadynamic currents (MF, DF, CP, CP-ISO, LP)
- pulse currents (rectangular, triangular)
- pulse currents: Träbert's, Leduc's and neofaradic currents
- USS – Unipolar Sine Surge
- galvanic current
- microcurrents

ELECTRODIAGNOSTICS

- electrodiagnostics with graphical presentation of the I/t curve
- automatically calculated rheobase, chronaxie, accommodation factor and quotient

ULTRASOUND THERAPY

- water-resistant US heads
- continuous and pulse emission
- US head contact control (effective time of treatment is measured)
- US head sensitivity calibration

COMBINED THERAPY

- operation in CC (current stabilization) or CV (voltage stabilization) modes

CURRENTS IN COMBINATION THERAPY

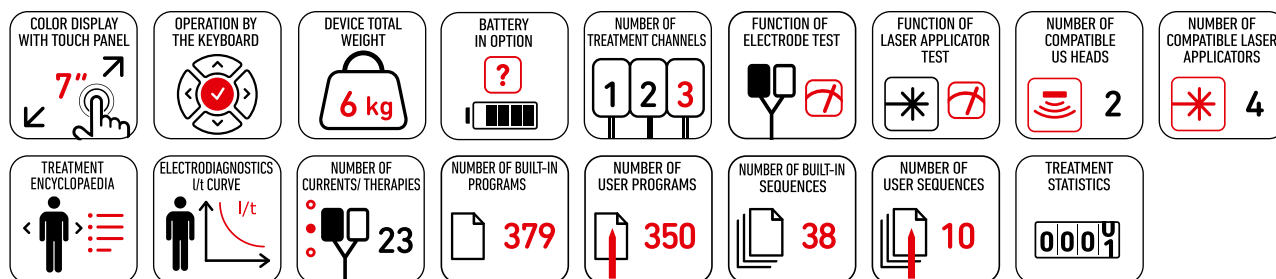
- interferential AMF current
- symmetric TENS
- asymmetric TENS
- alternating TENS
- burst TENS
- Kotz' current (Russian stimulation)

LASER THERAPY

- it cooperates with R, IR probes, cluster applicator and scanning applicator
- emission modes: continuous and pulse
- laser power regulation
- duty factor regulation
- built-in laser power measurement test – scanning applicator and point probes
- automatic treatment time calculation on the basis of treatment parameters – dosage, power, duty factor, treatment area and the distance between the scanning applicator and the patient's body
- three treatment area irradiation patterns in scanning applicator
- dedicated modes for working with optic fiber applicators
- optical fiber applicators for laserpuncture and laryngology
- pilot beam indicating the place of application – scanning and cluster applicator

Battery (optional part). Devices with batteries from the PHG family have a number ending in their name that ends with 1, e.g. PHG 7011





TECHNICAL PARAMETERS

PhysioGo 700C

STANDARD PARTS

ELECTROTHERAPY PARAMETERS

max. constant current in patient's circuit (CC mode)

galvanic current	40 mA
diadynamic, pulse currents	60 mA
interferential, Kotz' currents, unipolar sine surge	100 mA
TENS and SP-TENS currents	140 mA
tonolysis	100 mA
microcurrents	1000 µA
max. voltage in patient's circuit (CV mode)	140 V
treatment timer	30 s – 60 min.

ULTRASOUND THERAPY PARAMETERS

operation frequency	1 MHz and 3,5 MHz
effective radiating area	1 cm ² , 4 cm ²
max ultrasound intensity - continuous/ pulse mode	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 min.

LASER THERAPY PARAMETERS

biostimulation laser probes

red light probe wavelength	660 nm
red light probe maximum power	80 mW
infrared light probe wavelength	808 nm
infrared light probe maximum power	400 mW
power adjustment	25%, 50%, 75%, 100%
frequency in pulse mode	1 – 5000 Hz
duty factor in pulse mode	10 – 90%, impulse 50 µs

scanning laser applicator

scanning applicator wavelength	808 and 660 nm
scanning applicator maximum power	450 and 100 mW
power adjustment	50%, 100%
frequency in pulse mode	1 – 5000 Hz
duty factor for scanning applicator	75%

cluster laser applicator

cluster applicator wavelength	4x 808 nm and 5x 660 nm
cluster applicator maximum power	4x 400 mW and 5x 40 mW
power adjustment	50%, 100%
frequency in pulse mode	1 – 5 000 Hz
duty factor in pulse mode	10 – 90%, impulse 50 µs
laser device class	3B
treatment timer	1 s – 100 min.

dimensions	34 x 28 x 11-16 cm
weight	6 kg
battery type	Li-Ion
battery capacity	2250 mAh
mains supply	230 V, 50/60 Hz
power consumption	90 VA

mains cable	1 pc.
patient's cables	2 pcs.
electrodes 6 x 6 cm	4 pcs.
electrodes 7,5 x 9 cm	2 pcs.
viscose electrode covers 8 x 8 cm	8 pcs.
viscose electrode covers 10 x 10 cm	4 pcs.
elastic velcro straps 40 x 9 cm	2 pcs.
elastic velcro straps 100 x 9 cm	2 pcs.
ultrasound gel 500 g	1 pc.
laser warning labels	1 set
DOOR blocking plug	1 pc.
LCD touch screen pen	1 pc.
LCD touch screen cloth	1 pc.
masking covers with cutout	2 pcs.
masking covers without cutout	2 pcs.
spare fuses	2 pcs.
instructions for use	1 pc.
technical description	1 pc.
electrical safety test report	1 pc.

OPTIONAL PARTS

self-adhesive electrodes 5 x 5 cm, 5 x 10 cm
point electrodes with adapter 6 mm, 10 mm, 15 mm, 20 mm
sand bags 21 x 14 cm, 21 x 28 cm
point applicator R 660 nm/80 mW with holder
point applicator IR 808 nm/400 mW with holder
scanning applicator R+IR 100 mW + 450 mW with stand
cluster laser applicator CL1800 R 5x40 mW i IR 4x400 mW
cluster applicator stand
optical fiber applicators: straight ø 6 mm, angled 45 ø 6 mm, angled 45 ø 6 mm narrowed for laser acupuncture with holder
laser therapy protective goggles
bag for the unit and additional parts
Versa/ Versa X/ Versa XUV C trolley
battery

NOTICE!

The applicators and ultrasound heads are not part of the standard equipment. These must be purchased separately.
The availability of the device's parameters depends on the chosen configuration of additional parts.



PhysioGo 700I



ELECTROTHERAPY

- operation in CC (current stabilization) or CV (voltage stabilization) modes
- intensity adjustment in the patient circuit simultaneously for both channels or separately
- full galvanic insulation between channels in any mode
- electrodes test
- treatment sequences

CURRENTS AND METHODS

- interferential (dynamic, isoplanar, AMF current))
- TENS (symmetric, asymmetric, alternating, burst)
- TENS for spastic paralysis
- Kotz' current (Russian stimulation)
- tonolysis
- diadynamic currents (MF, DF, CP, CP-ISO, LP)
- pulse currents (rectangular, triangular)
- pulse currents: Träbert's, Leduc's and neofaradic currents
- USS – Unipolar Sine Surge
- galvanic current
- microcurrents

ELECTRODIAGNOSTICS

- electrodiagnostics with graphical presentation of the I/t curve
- automatically calculated rheobase, chronaxie, accommodation factor and quotient

ULTRASOUND THERAPY

- water-resistant US heads
- continuous and pulse emission
- US head contact control (effective time of treatment is measured)
- US head sensitivity calibration

COMBINED THERAPY

- operation in CC (current stabilization) or CV (voltage stabilization) modes

CURRENTS IN COMBINATION THERAPY

- interferential AMF current
- symmetric TENS
- asymmetric TENS
- alternating TENS
- burst TENS
- Kotz' current (Russian stimulation)

LASER THERAPY

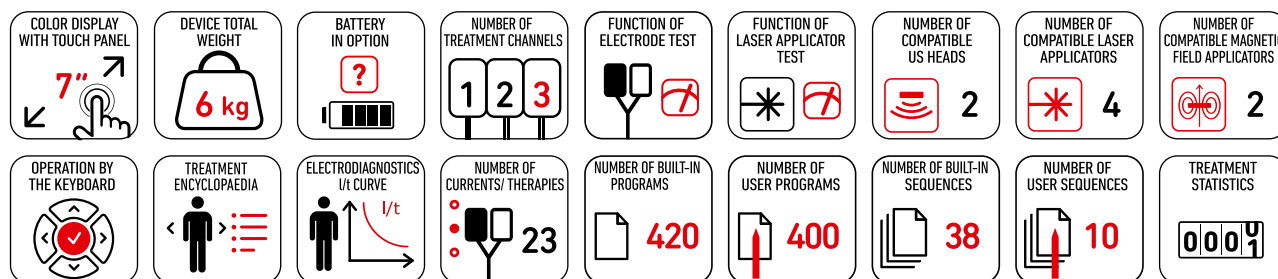
- it cooperates with R, IR probes, cluster applicator and scanning applicator
- emission modes: continuous and pulse
- laser power regulation
- duty factor regulation
- built-in laser power measurement test – scanning applicator and point probes
- automatic treatment time calculation on the basis of treatment parameters – dosage, power, duty factor, treatment area and the distance between the scanning applicator and the patient's body
- three treatment area irradiation patterns in scanning applicator
- dedicated modes for working with optic fiber applicators
- optical fiber applicators for laserpuncture and laryngology
- pilot beam indicating the place of application – scanning and cluster applicator

MAGNETOTHERAPY

- continuous and pulse emission
- field shape: sinusoidal, triangular, rectangular, semi-sinusoidal, semi-triangular, semi-rectangular
- optional - the unit may be used with coupled plate applicators CPE type in single or dual configuration
- convenient fastening of applicators by velcro belts
- sensory indicator of magnetic field activity

Battery (optional part). Devices with batteries from the PHG family have a number ending in their name that ends with 1, e.g. PHG 7011





TECHNICAL PARAMETERS

PhysioGo 700I

STANDARD PARTS

ELECTROTHERAPY PARAMETERS

max. constant current in patient's circuit (CC mode)

galvanic current	40 mA
diadynamic, pulse currents	60 mA
interferential, Kotz' currents, unipolar sine surge	100 mA
TENS and SP-TENS currents	140 mA
tonolysis	100 mA
microcurrents	1000 µA
max. voltage in patient's circuit (CV mode)	140 V
treatment timer	30 s – 60 min.

ULTRASOUND THERAPY PARAMETERS

operation frequency	1 MHz and 3,5 MHz
effective radiating area	1 cm ² , 4 cm ²
max ultrasound intensity - continuous/ pulse mode	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 min.

LASER THERAPY PARAMETERS

biostimulation laser probes

red light probe wavelength	660 nm
red light probe maximum power	80 mW
infrared light probe wavelength	808 nm
infrared light probe maximum power	400 mW
power adjustment	25%, 50%, 75%, 100%
frequency in pulse mode	1 – 5000 Hz
duty factor in pulse mode	10 – 90%, impulse 50 µs

scanning laser applicator

scanning applicator wavelength	808 and 660 nm
scanning applicator maximum power	450 and 100 mW
power adjustment	50%, 100%
frequency in pulse mode	1 – 5000 Hz
duty factor for scanning applicator	75%

cluster laser applicator

cluster applicator wavelength	4x 808 nm and 5x 660 nm
cluster applicator maximum power	4x 400 mW and 5x 40 mW
power adjustment	50%, 100%
frequency in pulse mode	1 – 5000 Hz
duty factor in pulse mode	10 – 90%, impulse 50 µs
laser device class	3B
treatment timer	1 s – 100 min.

MAGNETOTHERAPY PARAMETERS

max magnetic field induction	10 mT (100 Gs)
operation frequency	2 – 120 Hz
parameters of interrupted mode	pulse 1 s/ pause 0,5 – 8 s
treatment timer	30 s – 30 min.

dimensions	34 x 28 x 11-16 cm
weight	6 kg
battery type	Li-Ion
battery capacity	2250 mAh
mains supply	230 V, 50/60 Hz
power consumption	90 VA

mains cable

patient's cables	1 pc.
electrodes 6 x 6 cm	2 pcs.
electrodes 7,5 x 9 cm	4 pcs.
viscose electrode covers 8 x 8 cm	2 pcs.
viscose electrode covers 10 x 10 cm	8 pcs.
elastic velcro straps 40 x 9 cm	4 pcs.
elastic velcro straps 100 x 9 cm	2 pcs.
ultrasound gel 500 g	2 pcs.
laser warning labels	1 pc.
DOOR blocking plug	1 set
LCD touch screen pen	1 pc.
LCD touch screen cloth	1 pc.
masking covers with cutout	1 pc.
masking covers without cutout	2 pcs.
spare fuses	2 pcs.
instructions for use	1 pc.
technical description	1 pc.
electrical safety test report	1 pc.

OPTIONAL PARTS

self-adhesive electrodes 5 x 5 cm, 5 x 10 cm
point electrodes with adapter 6 mm, 10 mm, 15 mm, 20 mm
sand bags 21 x 14 cm, 21 x 28 cm
ultrasound head1/3,5 MHz, 1 cm ² with holder
ultrasound head1/3,5 MHz, 4 cm ² with holder
point applicator R 660 nm/ 80 mW with holder
point applicator IR 808 nm/ 400 mW with holder
scanning applicator R+IR 100 mW + 450 mW with stand
cluster laser applicator CL1800 R 5x40 mW i IR 4x400 mW
cluster applicator stand
optical fiber applicators: stright ø 6 mm, angled 45 ø 6 mm, angled 45 ø 6 mm narrowed for laser acupuncture with holder
laser therapy protective goggles
magnetic field applicator CPE type with covers
magnet
sensory indicator of magnetic field activity
bag for the unit and additional parts
Versa/ Versa X/ Versa XUVIC trolley
battery

NOTICE!

The applicators and ultrasound heads are not part of the standard equipment. These must be purchased separately.
The availability of the device's parameters depends on the chosen configuration of additional parts.



PhysioGo model	100A	200A	300A	400C	500I	600C	700C	700I
TREATMENT PROGRAMS								
preset treatment programs	69	58	204	175	285	233	379	420
user programs	50	50	150	200	300	250	350	400
Voll acupuncture programs				30	30	30	30	30
Nogier acupuncture programs				8	8	8	8	8

TREATMENT SEQUENCES								
preset treatment sequences for electrotherapy	38		38		38		38	38
user sequences for electrotherapy	10		10		10		10	10

TECHNICAL PARAMETERS

ELECTROTHERAPY PARAMETERS

max. constant current in patient's circuit (CC mode)

galvanic current	40 mA		40 mA		40 mA		40 mA	
diadynamic, pulse currents	60 mA		60 mA		60 mA		60 mA	
interferential, Kotz' currents, unipolar sine surge	100 mA		100 mA		100 mA		100 mA	
TENS and SP-TENS currents	140 mA		140 mA		140 mA		140 mA	
tonolysis	100 mA		100 mA		100 mA		100 mA	
microcurrents	1000 µA		1000 µA		1000 µA		1000 µA	
max. voltage in patient's circuit (CV mode)	140 V		140 V		140 V		140 V	
treatment timer	30 s – 60 min		30 s – 60 min		30 s – 60 min		30 s – 60 min	

ULTRASOUND THERAPY PARAMETERS

operation frequency		1 and 3,5 MHz			1 and 3,5 MHz
effective radiating area		1 cm², 4 cm²			1 cm², 4 cm²
max ultrasound intensity - continuous/ pulse mode		2 / 3 W/cm²			2 / 3 W/cm²
frequency in pulse mode		16 Hz, 48 Hz, 100 Hz			16 Hz, 48 Hz, 100 Hz
duty factor in pulse mode		5 – 75%, step 5%			5 – 75%, step 5%
treatment timer		30 s – 30 min			30 s – 30 min

LASER THERAPY PARAMETERS

biostimulation laser probes

red light probe wavelength					660 nm
red light probe maximum power					80 mW
infrared light probe wavelength					808 nm
infrared light probe maximum power					400 mW
power adjustment					25%, 50%, 75%, 100%
frequency in pulse mode					1 – 5000 Hz
duty factor in pulse mode					10 – 90%, pulse 50 µs

scanning laser applicator

scanning applicator wavelength					808 and 660 nm
scanning applicator maximum power					450 and 100 mW
power adjustment					50%, 100%
frequency in pulse mode					1 – 5000 Hz
duty factor for scanning applicator					75%

cluster laser applicator

cluster applicator wavelength					4x 808 nm and 5x 660 nm
cluster applicator maximum power					4x 400 mW and 5x 40 mW
power adjustment					50%, 100%
frequency in pulse mode					1 – 5000 Hz
duty factor in pulse mode					10 – 90%, pulse 50 µs
laser device class					3B
treatment timer					1 s – 100 min

MAGNETOTHERAPY PARAMETERS

max magnetic field induction				10 mT		10 mT
operation frequency				2 – 120 Hz		2 – 120 Hz
parameters of interrupted mode (pulse/ pause)				1 s/ 0,5 – 8 s		1 s/ 0,5 – 8 s
treatment timer				0,5–30 min		0,5–30 min

dimensions						34 x 28 x 11–16
weight						6 kg
battery type						Li-Ion
battery capacity						2250 mAh
mains supply						230 V, 50/60 Hz
power consumption						90 VA

Battery (optional part). Devices with batteries from the PHG family have a number ending in their name that ends with 1, e.g. PHG 7011

PhysioGo model

100A 200A 300A 400C 500I 600C 700C 700I

ELECTROTHERAPY								
operation in CC (current stabilization) or CV (voltage stabilization) modes	•		•		•		•	•
intensity adjustment in the patient circuit simultaneously for both channels or separately	•		•		•		•	•
full galvanic insulation between channels in any mode	•		•		•		•	•
electrodes test	•		•		•		•	•
treatment sequences	•		•		•		•	•
CURRENTS AND METHODS								
interferential (dynamic, isoplanar, AMF current))	•		•		•		•	•
TENS (symmetric, asymmetric, alternating, burst)	•		•		•		•	•
TENS for spastic paralysis	•		•		•		•	•
Kotz' current (Russian stimulation)	•		•		•		•	•
tonolysis	•		•		•		•	•
diadynamic currents (MF, DF, CP, CP-ISO, LP)	•		•		•		•	•
pulse currents (rectangular, triangular)	•		•		•		•	•
pulse currents: Träbert's, Leduc's	•		•		•		•	•
USS – Unipolar Sine Surge	•		•		•		•	•
galvanic current	•		•		•		•	•
microcurrents	•		•		•		•	•
ELECTRODIAGNOSTICS								
electrodiagnostics with graphical presentation of the I/t curve	•		•		•		•	•
automatically calculated rheobase, chronaxie, accommodation factor and quotient	•		•		•		•	•
ULTRASOUND THERAPY								
water-resistant US heads		•	•			•	•	•
continuous and pulse emission		•	•			•	•	•
US head contact control (effective time of treatment is measured)		•	•			•	•	•
US head sensitivity calibration as needed		•	•			•	•	•
LASER THERAPY								
it cooperates with R, IR probes, cluster applicator and scanning applicator				•	•	•	•	•
emission modes: continuous and pulse				•	•	•	•	•
laser power regulation				•	•	•	•	•
duty factor regulation				•	•	•	•	•
built-in laser power measurement test – scanning applicator and point probes				•	•	•	•	•
automatic treatment time calculation on the basis of treatment parameters – dosage, power, duty factor, treatment area and the distance between the scanning applicator and the patient's body				•	•	•	•	•
three treatment area irradiation patterns in scanning applicator				•	•	•	•	•
dedicated modes for working with optic fiber applicators				•	•	•	•	•
optical fiber applicators for laserpuncture and laryngology				•	•	•	•	•
pilot beam indicating the place of application – scanning and cluster applicator				•	•	•	•	•
MAGNETOTHERAPY								
continuous and pulse emission					•			•
field shape: sinusoidal, triangular, rectangular, semi-sinusoidal, semi-triangular, semi-rectangular					•			•
optional – the unit may be used with coupled plate applicators CPE type in single or dual configuration					•			•
convenient fastening of applicators with velcro belts					•			•
sensory indicator of magnetic field activity					•			•

NOTICE!

The applicators and ultrasound heads are not part of the standard equipment. These must be purchased separately. The availability of the device's parameters depends on the chosen configuration of additional parts.

**PhysioGo model
STANDARD PARTS**

	100A	200A	300A	400C	500I	600C	700C	700I
mains cable	1	1	1	1	1	1	1	1
patient's cables	2		2		2		2	2
electrodes 6 x 6 cm	4		4		4		4	4
electrodes 7,5 x 9 cm	2		2		2		2	2
viscose electrode covers 8 x 8 cm	8		8		8		8	8
viscose electrode covers 10 x10 cm	4		4		4		4	4
elastic velcro straps 40 x 9 cm	2		2		2		2	2
elastic velcro straps 100 x 9 cm	2		2		2		2	2
ultrasound gel 500 g		1	1			1	1	1
laser therapy protective goggles				2				
laser warning labels				1	1	1	1	1
DOOR blocking plug				1	1	1	1	1
LCD touch screen pen	1	1	1	1	1	1	1	1
LCD touch screen cloth	1	1	1	1	1	1	1	1
masking covers with cutout		2	2	2	2	2	2	2
masking covers without cutout	2	2	2	2	2	2	2	2
spare fuses	2	2	2	2	2	2	2	2
instructions for use	1	1	1	1	1	1	1	1
technical description	1	1	1	1	1	1	1	1
electrical safety test report	1	1	1	1	1	1	1	1

OPTIONAL PARTS

self-adhesive electrodes 5 x 5 cm, 5 x 10 cm	o		o		o		o	o
point electrodes with adapter 6 mm, 10 mm, 15 mm, 20 mm	o		o		o		o	o
sand bags 21 x 14 cm, 21 x 28 cm	o		o		o		o	o
ultrasound head 1/ 3,5 MHz, 1 cm ² with holder		o	o			o	o	o
ultrasound head 1/ 3,5 MHz, 4 cm ² with holder		o	o			o	o	o
point applicator R 660 nm/ 80 mW with holder				o	o	o	o	o
point applicator IR 808 nm/ 400 mW with holder				o	o	o	o	o
scanning applicator R+IR 100 mW + 450 mW with stand				o	o	o	o	o
cluster laser applicator CL1800 R 5x40 mW i IR 4x400 mW				o	o	o	o	o
cluster applicator stand				o	o	o	o	o
optical fiber applicators: stright ø 6 mm, angled 45 ø 6 mm, angled 45 ø 6 mm narrowed with holder				o	o	o	o	o
laser therapy protective goggles					o	o	o	o
magnetic field applicator CPE type with covers					o			o
magnet					o			o
sensory indicator of magnetic field activity					o			o
bag for the unit and additional parts	o	o	o	o	o	o	o	o
Versa/ Versa X/ Versa XUVc trolley	o	o	o	o	o	o	o	o
battery	o	o	o	o	o	o	o	o

STANDARD PARTS ●
OPTIONAL PARTS o



PhysioMG



Classic magnetotherapy – modern solutions

SHELVES FOR DEVICE AND ADDITIONAL PARTS

- upper shelf for a device
- lower shelf for additional parts
eg. 2 CPEP applicators

COUCH

- materials used for the construction of the couch do not interfere with the magnetic field power lines generated by the applicators
- replaceable couch headrest

SOLENOID APPLICATORS CS60, CS75

- applicators on running system integrated with the couch
- built-in illuminator – visual indicator of magnetic field activity

SOLENOID APPLICATOR CS35

- built-in cushion at the application site
- stable trolley for the applicator
- built-in illuminator – visual indicator of magnetic field activity





DUAL MODE

PhysioMG 825 and 827 units are able to work with two simultaneously cooperating applicators in Dual Mode: a solenoid applicator (60 or 75 cm) with systemic effect and plate applicators with local effect.



SENSORY INDICATOR OF MAGNETIC FIELD ACTIVITY

A system of vibrating magnetic stripes, which can be attached to the couch or to patient's body.



VISUAL INDICATOR OF MAGNETIC FIELD ACTIVITY

A light source mounted inside the solenoid indicates the activity of the magnetic field.



SOLENOID APPLICATOR CS75

Applicator intended for operation with PhysioMG 827 model only



CP APPLICATORS ON A STAND

Compatible with all models of the PhysioMG series

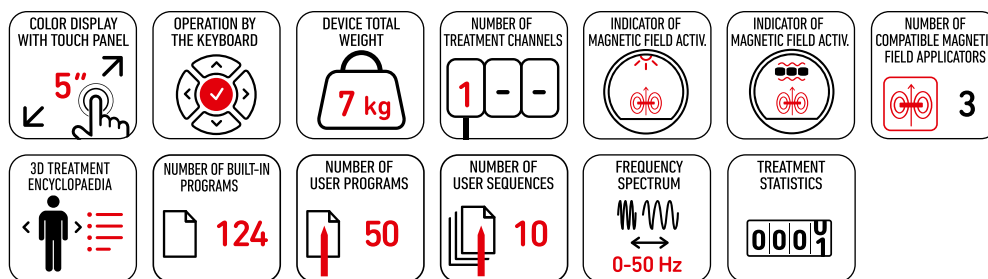
PhysioMG 815



MAGNETOTHERAPY

- continuous and pulse emission
- magnetic field shape: double-half rectangular, double-half triangular, double-half sinusoidal, double-half pulse, single-half rectangular, single-half triangular, single-half sinusoidal, single-half pulse
- visual magnetic field indicator in the form of an illuminator mounted in solenoid and CP applicators
- sensory indicator of magnetic field activity in the form of magnetic belts
- magnetic field frequency range settings with an accuracy of 0.01 Hz using the on-screen keyboard
- treatment time settings with an accuracy of 1 s using the on-screen keyboard





TECHNICAL PARAMETERS

PhysioMG 815

MAGNETOTHERAPY PARAMETERS

maximum rated induction at the geometric center of the applicator (induction at reference point):

CS60 applicator	4 mT
CS35 applicator	10 mT
CP applicator	3 mT

maximum rated induction at the applicator wall (maximum induction):

CS60 applicator	6 mT
CS35 applicator	12 mT
CP applicator	12,5 mT

maximum value of the change in induction (peak-to-peak induction):

CS60 applicator	12 mT
CS35 applicator	24 mT
CP applicator	25 mT

operation frequency

solenoid applicators	2 – 120 Hz
plate applicators	2 – 140 Hz

parameters of interrupted mode pulse 1 s/ pause 0,5 – 8 s

frequency spectrum	0 – 50 Hz
treatment timer	30 s – 60 min.

dimensions	34 x 28 x 11 cm
weight	7 kg
mains supply	230 V, 50/60 Hz
power consumption	350 VA

STANDARD PARTS

mains cable	1 pc.
patient's protective goggles	1 pc.
magnet	1 pc.
sensory indicator of magnetic field activity	1 pc.
touch screen pen	1 pc.
LCD touch screen cloth	1 pc.
spare fuses	2 pcs.
instructions for use	1 pc.
electrical safety test report	1 pc.

OPTIONAL PARTS

solenoid applicator CS60
solenoid applicator CS35
plate applicator CP with a stand
LE_CS type couch
ST_CS type trolley for CS35 applicator

NOTICE!

Magnetotherapy applicators are not part of the standard equipment of the unit. These must be purchased separately. The availability of the device's parameters depends on the chosen configuration of additional parts.



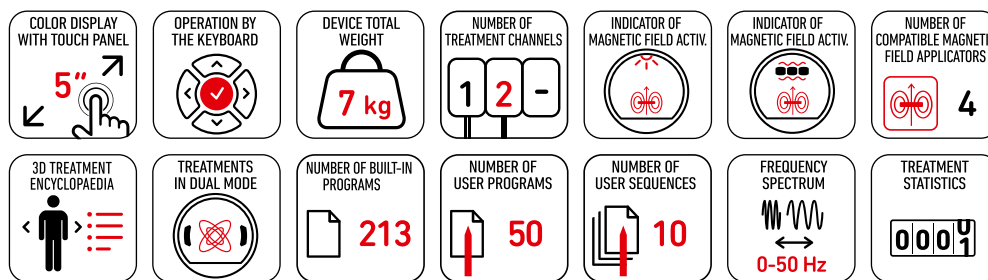
PhysioMG 825



MAGNETOTHERAPY

- continuous and pulse emission
- magnetic field shape: double-half rectangular, double-half triangular, double-half sinusoidal, double-half pulse, single-half rectangular, single-half triangular, single-half sinusoidal, single-half pulse
- optional – the unit may be used with coupled CPE plate applicators
- convenient fastening of CPEP applicators with velcro belts
- treatment in dual mode
- visual magnetic field indicator in the form of an illuminator mounted in solenoid and CP applicators
- sensory indicator of magnetic field activity in the form of magnetic belts
- magnetic field frequency range settings with an accuracy of 0.01 Hz using the on-screen keyboard
- treatment time settings with an accuracy of 1 s using the on-screen keyboard





TECHNICAL PARAMETERS

PhysioMG 825

MAGNETOTHERAPY PARAMETERS

maximum rated induction at the geometric center of the applicator (induction at reference point):

CS60 applicator	4 mT
CS35 applicator	10 mT
CP applicator	3 mT
CPEP applicator	25 mT

maximum rated induction at the applicator wall (maximum induction):

CS60 applicator	6 mT
CS35 applicator	12 mT
CP applicator	12,5 mT
CPEP applicator	50 mT

maximum value of the change in induction (peak-to-peak induction):

CS60 applicator	12 mT
CS35 applicator	24 mT
CP applicator	25 mT
CPEP applicator	100 mT

operation frequency

solenoid applicators	2 – 120 Hz
plate applicators	2 – 140 Hz

parameters of interrupted mode pulse 1 s/ pause 0,5 – 8 s

frequency spectrum 0 – 50 Hz

treatment timer 30 s – 60 min.

dimensions	34 x 28 x 11 cm
weight	7 kg
mains supply	230 V, 50/60 Hz
power consumption	350 VA

STANDARD PARTS

mains cable	1 pc.
patient's protective goggles	1 pc.
magnet	1 pc.
sensory indicator of magnetic field activity	1 pc.
touch screen pen	1 pc.
LCD touch screen cloth	1 pc.
spare fuses	2 pcs.
instructions for use	1 pc.
electrical safety test report	1 pc.

OPTIONAL PARTS

solenoid applicator CS60
solenoid applicator CS35
plate applicator CP with a stand
plate applicator CPEP
LE_CS type couch
ST_CS type trolley for CS35 applicator

NOTICE!

Magnetotherapy applicators are not part of the standard equipment of the unit. These must be purchased separately. The availability of the device's parameters depends on the chosen configuration of additional parts.



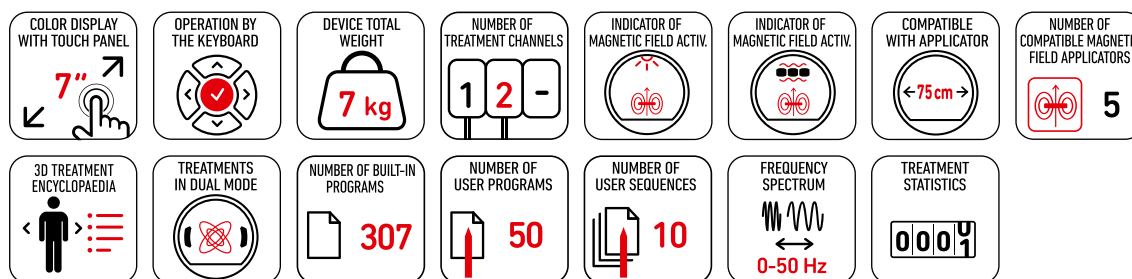
PhysioMG 827



MAGNETOTHERAPY

- continuous and pulse emission
- magnetic field shape: double-half rectangular, double-half triangular, double-half sinusoidal, double-half pulse, single-half rectangular, single-half triangular, single-half sinusoidal, single-half pulse
- optional – the unit may be used with coupled CPE plate applicators
- convenient fastening of CPEP applicators with velcro belts
- treatment in dual mode
- visual magnetic field indicator in the form of an illuminator mounted in solenoid and CP applicators
- sensory indicator of magnetic field activity in the form of magnetic belts
- magnetic field frequency range settings with an accuracy of 0.01 Hz using the on-screen keyboard
- treatment time settings with an accuracy of 1 s using the on-screen keyboard





TECHNICAL PARAMETERS

PhysioMG 827

MAGNETOTHERAPY PARAMETERS

maximum rated induction at the geometric center of the applicator (induction at reference point):

CS75 applicator	3 mT
CS60 applicator	4 mT
CS35 applicator	10 mT
CP applicator	3 mT
CPEP applicator	25 mT

maximum rated induction at the applicator wall (maximum induction):

CS75 applicator	4,5 mT
CS60 applicator	6 mT
CS35 applicator	12 mT
CP applicator	12,5 mT
CPEP applicator	50 mT

maximum value of the change in induction (peak-to-peak induction):

CS75 applicator	9 mT
CS60 applicator	12 mT
CS35 applicator	24 mT
CP applicator	25 mT
CPEP applicator	100 mT

operation frequency

solenoid applicators	2 – 120 Hz
plate applicators	2 – 140 Hz

parameters of interrupted mode pulse 1 s/ pause 0,5 – 8 s

frequency spectrum 0 – 50 Hz

treatment timer 30 s – 60 min.

dimensions	34 x 28 x 11 cm
weight	7 kg
mains supply	230 V, 50/60 Hz
power consumption	350 VA

STANDARD PARTS

mains cable	1 pc.
patient's protective goggles	1 pc.
magnet	1 pc.
sensory indicator of magnetic field activity	1 pc.
touch screen pen	1 pc.
LCD touch screen cloth	1 pc.
spare fuses	2 pcs.
instructions for use	1 pc.
electrical safety test report	1 pc.

OPTIONAL PARTS

solenoid applicator CS75
solenoid applicator CS60
solenoid applicator CS35
plate applicator CP with a stand
plate applicator CPEP
LE_CS type couch
ST_CS type trolley for CS35 applicator

NOTICE!

Magnetotherapy applicators are not part of the standard equipment of the unit.

These must be purchased separately. The availability of the device's parameters depends on the chosen configuration of additional parts.



PhysioMG model
815
825
827
TREATMENT PROGRAMS AND SEQUENCES

programs for CS75			50
programs for CS60	50	50	50
programs for CS35	28	28	28
programs for CP	46	46	46
programs for CPEP		45	45
programs for Dual Mode		44	88
user programs	50	50	50
user sequences	10	10	10

TECHNICAL PARAMETERS
MAGNETOTHERAPY PARAMETERS
maximum rated induction at the geometric center of the applicator (induction at reference point):

CS75 applicator			3 mT
CS60 applicator	4 mT	4 mT	4 mT
CS35 applicator	10 mT	10 mT	10 mT
CP applicator	3 mT	3 mT	3 mT
CPEP applicator		25 mT	25 mT

maximum rated induction at the applicator wall (maximum induction):

CS75 applicator			4,5 mT
CS60 applicator	6 mT	6 mT	6 mT
CS35 applicator	12 mT	12 mT	12 mT
CP applicator	12,5 T	12,5 mT	12,5 mT
CPEP applicator		50 mT	50 mT

maximum value of the change in induction (peak-to-peak induction):

CS75 applicator			9 mT
CS60 applicator	12 mT	12 mT	12 mT
CS35 applicator	24 mT	24 mT	24 mT
CP applicator	25 mT	25 mT	25 mT
CPEP applicator		100 mT	100 mT

operation frequency

solenoid applicators	2 – 120 Hz	2 – 120 Hz	2 – 120 Hz
plate applicators	2 – 140 Hz	2 – 140 Hz	2 – 140 Hz

parameters of interrupted mode

	1 s / 0,5 – 8 s	1 s / 0,5 – 8 s	1 s / 0,5 – 8 s
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frequency spectrum

	0–50 Hz	0–50 Hz	0–50 Hz
--	---------	---------	---------

treatment timer

	30 s – 60 min.	30 s – 60 min.	30 s – 60 min.
--	----------------	----------------	----------------

dimensions

			34 x 28 x 11 cm
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weight

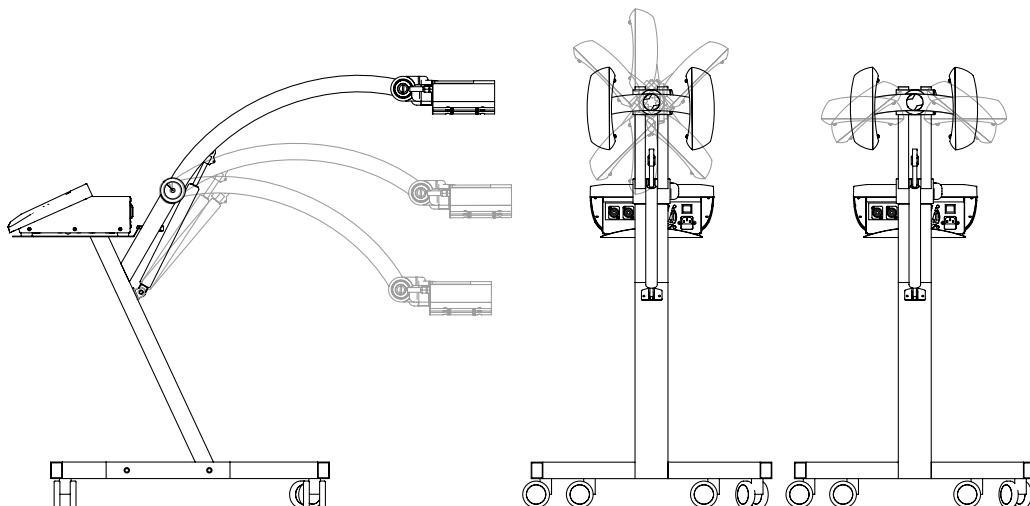
			7 kg
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mains supply

			230 V, 50/60 Hz
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power consumption

			350 VA
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Possible plate applicators regulation

PhysioMG model

815

825

827

MAGNETOTHERAPY

continuous and pulse emission	•	•	•
magnetic field shape: double-half rectangular, double-half triangular, double-half sinusoidal, double-half pulse, single-half rectangular, single-half triangular, single-half sinusoidal, single-half pulse	•	•	•
optional – the unit may be used with coupled CPE plate applicators		•	•
convenient fastening of CPEP applicators with velcro belts		•	•
treatment in dual mode		•	•
visual magnetic field indicator in the form of an illuminator mounted in solenoid and CP applicators	•	•	•
sensory indicator of magnetic field activity in the form of magnetic belts	•	•	•
magnetic field frequency range settings with an accuracy of 0.01 Hz using the on-screen keyboard	•	•	•
treatment time settings with an accuracy of 1 s using the on-screen keyboard	•	•	•

STANDARD PARTS

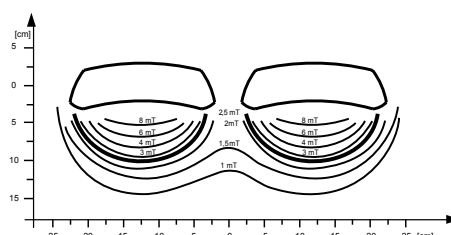
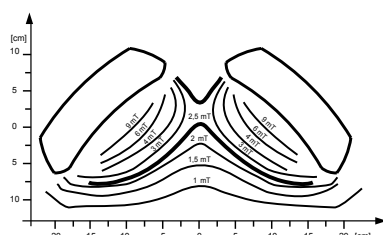
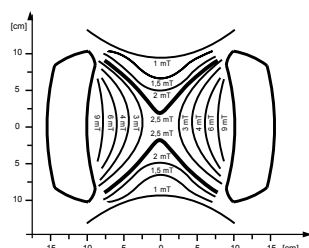
mains cable	1	1	1
patient's protective goggles	1	1	1
magnet	1	1	1
sensory indicator of magnetic field activity	1	1	1
touch screen pen	1	1	1
LCD touch screen cloth	1	1	1
spare fuses	2	2	2
instructions for use	1	1	1
electrical safety test report	1	1	1

OPTIONAL PARTS

solenoid applicator CS75			○
solenoid applicator CS60	○	○	○
solenoid applicator CS35	○	○	○
plate applicator CP with a stand	○	○	○
plate applicator CPEP		○	○
LE_CS type couch	○	○	○
ST_CS type trolley for CS35 applicator	○	○	○

NOTICE!

Magnetotherapy applicators are not part of the standard equipment of the unit. These must be purchased separately. The availability of the device's parameters depends on the chosen configuration of additional parts.



Examples of magnetic field application – induction distribution during the treatment

PhysioGo.Lite



Basic physical therapy made easy

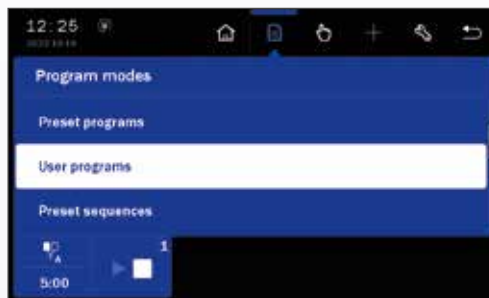
PORTABILITY

- low weight of the device
- dedicated bag to accommodate the device and additional parts
- battery (optional)

FUNCTIONALITY

- 5" touchscreen
- modern intuitive interface
- illustrated treatment encyclopaedia
- treatment statistics
- applicators statistics





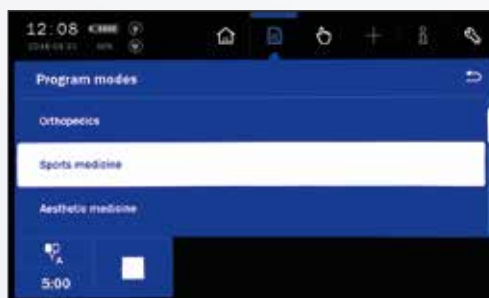
MANUAL MODE

- creating and saving your own treatment settings
- possibility of copying the treatment parameters from the Treatment Encyclopaedia and adapting them to the individual needs of the patient



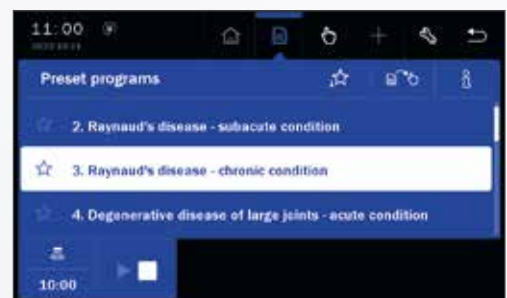
TREATMENT ENCYCLOPAEDIA

provides information on the methodology of treatment for individual disease entities, including the type of applicator and treatment parameters



CLASSIFICATION OF TREATMENT PROGRAMS ACCORDING TO MEDICAL NOMENCLATURE

- Orthopedics
- Sports medicine
- Aesthetic medicine
- Rheumatology
- Neurology
- Dermatology
- Angiology



PROGRAM MODE

selection of treatment from among the programs prepared for common disease entities

PhysioGo.Lite ELECTRO



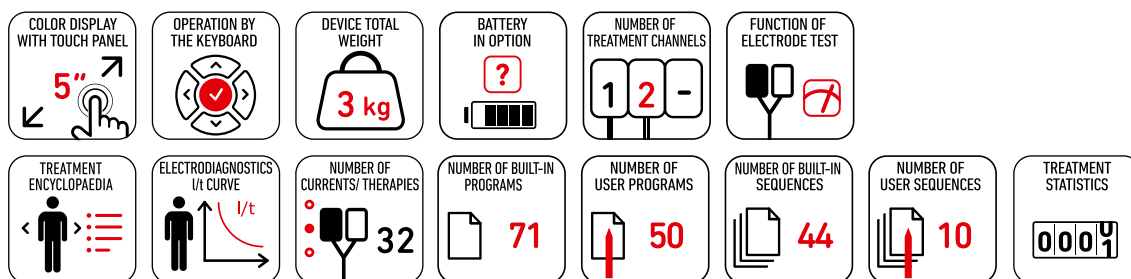
ELECTROTHERAPY

- wide range of currents and methods in electrotherapy
- operation in CC (current stabilization) or CV (voltage stabilization) modes
- intensity adjustment in the patient circuit simultaneously for both channels or separately
- full galvanic insulation between channels in any mode
- test of electrodes during treatment
- treatment sequences

CURRENTS AND METHODS

- interferential isoplanar
- interferential dynamic
- interferential AMF current
- symmetric TENS
- asymmetric TENS
- alternating TENS
- burst TENS
- TENS for spastic paralysis
- Kotz' current (Russian stimulation)
- tonolysis
- Hufschmidt stimulation
- diadynamic currents (MF, DF, CP, CP-ISO, LP, RS, MM)
- rectangular pulses
- triangular pulses
- Trabert / Ultra Reiz pulses (2 - 5)
- Leduc pulses (1 - 9)
- neofaradic pulses (1 - 19)
- USS – Unipolar Sine Surge
- bipolar sine surge
- galvanic current
- microcurrents
- medium frequency currents MF
- IG pulses
- EMS currents
- H-waves
- exponential pulses





TECHNICAL PARAMETERS

PhysioGo.Lite ELECTRO

ELECTROTHERAPY PARAMETERS

max. constant current in patient's circuit (CC mode)

USS – Unipolar Sine Surge	30 mA
galvanic current, IG pulses	80 mA
diadynamic	70 mA
bipolar sine surge, Hufschmidt stimulation	100 mA
interferential, TENS, SP-TENS, Kotz', pulsed, MF, tonolysis, EMS, H-waves, exponential pulses	140 mA
microcurrents	1000 µA
max. voltage in patient's circuit (CV mode)	140 V
treatment timer	1 – 60 min.

dimensions	25,0 x 27,0 x 16,5 cm
weight	3 kg
battery type	Li-Ion
battery capacity	2100 mAh
mains supply	100 – 240 VAC, 50/60 Hz
power consumption	24 VDC, 2,5 A

STANDARD PARTS

mains cable	1 pc.
switch mode power supply	1 pc.
patient's cables	2 pcs.
electrodes 6 x 6 cm	4 pcs.
electrodes 7,5 x 9 cm	2 pcs.
viscose electrode covers 8 x 8 cm	8 pcs.
viscose electrode covers 10 x 10 cm	4 pcs.
elastic velcro straps 40 x 9 cm	2 pcs.
elastic velcro straps 100 x 9 cm	2 pcs.
LCD touch screen pen	1 pc.
LCD touch screen cloth	1 pc.
spare fuses	2 pcs.
masking covers without cutout	2 pcs.
instructions for use	1 pc.
electrical safety test report	1 pc.

OPTIONAL PARTS

self-adhesive electrodes 5 x 5 cm, 5 x 10 cm
point electrodes with adapter 6 mm, 10 mm, 15 mm, 20 mm
sand bags 21 x 14 cm, 21 x 28 cm
bag for the unit and additional parts
Versa/ Versa X/ Versa XUVc trolley
battery



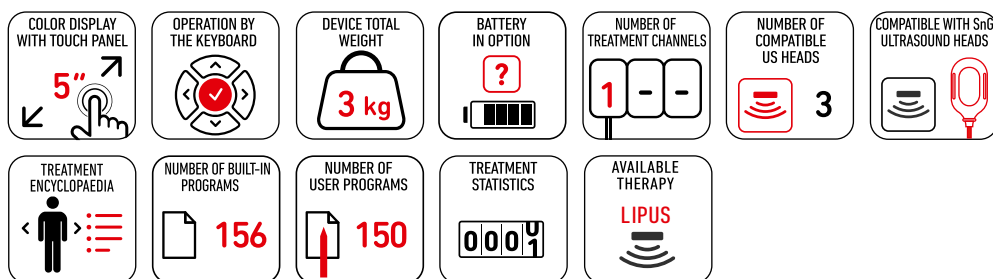
PhysioGo.Lite SONO



ULTRASOUND THERAPY

- availability of LIPUS therapy
- water-resistant US heads
- continuous and pulse emission
- US head contact control (effective time of treatment is measured)
- US head temperature control
- US head sensitivity calibration
- compatible with hands-free SnG head
- possibility of two SnG heads operating simultaneously, their total area of head front in dual-section mode equals 34,6 cm²





TECHNICAL PARAMETERS

PhysioGo.Lite SONO

ULTRASOUND THERAPY PARAMETERS

STANDARD ULTRASOUND HEADS

operation frequency	1 MHz and 3 MHz
total area of the head front	1 cm ² , 5 cm ²
frequency in pulse mode	10 Hz – 150 Hz – with variable step LIPUS – 1 kHz
duty factor in pulse mode	5 – 75%, step 5% (step, pulse mode) LIPUS – 20%

SnG HEADS

operation in single-transducer mode

operation frequency	1 MHz and 3 MHz
total area of the head front	17,3 cm ²
frequency in pulse mode	10 Hz – 150 Hz – with variable step LIPUS – 1 kHz
duty factor in pulse mode	10 – 60%, cycle 0,5s – 0,5s (cycle, increase-decrease) LIPUS – 20%

operation in dual-transducer mode

operation frequency	1 MHz and 3 MHz
total area of the head front	17,3 cm ²
frequency in pulse mode	10 Hz – 150 Hz – with variable step
duty factor in pulse mode	10 – 60%, cycle 0,5s – 0,5s (cycle, increase-decrease) 20 – 80%, cycle 0,5s – 0,5s (cycle, increase-decrease) 50 – 80%, cycle 0,5s – 0,5s (cycle, increase-decrease) 80 – 100%, cycle 0,5s – 0,5s (cycle, increase-decrease)

operation in quadruple-transducer mode

operation frequency	1 MHz and 3 MHz
total area of the head front	34,6 cm ²
frequency in pulse mode	10 Hz – 150 Hz – with variable step
duty factor in pulse mode	10 – 60%, cycle 0,5s – 0,5s (cycle, increase-decrease) 20 – 80%, cycle 0,5s – 0,5s (cycle, increase-decrease) 50 – 80%, cycle 0,5s – 0,5s (cycle, increase-decrease) 80 – 100%, cycle 0,5s – 0,5s (cycle, increase-decrease)

max ultrasound intensity – continuous/ pulse mode	2 / 3 W/cm ²
treatment timer	30 s – 30 min.

dimensions	25,0 x 27,0 x 16,5 cm
weight	3 kg
battery type (option)	Li-ion
battery capacity (option)	2100 mAh
mains supply	100 – 240 VAC, 50/60 Hz
power consumption	24 VDC, 2,5 A

STANDARD PARTS

mains cable with filter	1 pc.
switch mode power supply	1 pc.
ultrasound gel	1 pc.
touch screen pen	1 pc.
LCD touch screen cloth	1 pc.
masking covers with cutout	2 pcs.
spare fuses	1 pc.
instructions for use	1 pc.
electrical safety test report	1 pc.

OPTIONAL PARTS

ultrasound head type GU-1; 1/3 MHz; 1 cm ² with holder	
ultrasound head type GU-5; 1/3 MHz; 5 cm ² with holder	
ultrasound head type SnG; 1/3 MHz; 17,3 cm ² with holder	
bag for the unit and additional parts	
Versa/ Versa X/ Versa XUV C trolley	
battery	

NOTICE!

The ultrasound heads are not part of the standard equipment. These must be purchased separately.
The availability of the device's parameters depends on the chosen configuration of additional parts.

PhysioGo.Lite COMBO



ELECTROTHERAPY

- wide range of currents and methods in electrotherapy
- operation in CC (current stabilization) or CV (voltage stabilization) modes
- intensity adjustment in the patient circuit simultaneously for both channels or separately
- full galvanic insulation between channels in any mode
- test of electrodes during treatment
- treatment sequences

CURRENTS AND METHODS

- | | |
|---------------------------------------|---------------------------------------|
| - interferential isoplanar | - rectangular pulses |
| - interferential dynamic | - triangular pulses |
| - interferential AMF current | - Trabert / Ultra Reiz pulses (2 – 5) |
| - symmetric TENS | - Leduc pulses (1 – 9) |
| - asymmetric TENS | - neofaradic pulses (1 – 19) |
| - alternating TENS | - USS – Unipolar Sine Surge |
| - burst TENS | - bipolar sine surge |
| - TENS for spastic paralysis | - galvanic current |
| - Kotz' current (Russian stimulation) | - microcurrents |
| - tonolysis | - medium frequency currents MF |
| - Hufschmidt stimulation | - IG pulses |
| - diadynamic currents | - EMS currents |
| (MF, DF, CP, CP-ISO, LP, RS, MM) | - H-waves |
| | - exponential pulses |

ULTRASOUND THERAPY

- availability of LIPUS therapy
- water-resistant US heads
- continuous and pulse emission
- US head contact control (effective time of treatment is measured)
- US head temperature control
- US head sensitivity calibration
- compatible with hands-free SnG head
- possibility of two SnG heads operating simultaneously, their total area of head front in dual-section mode equals 34,6 cm²

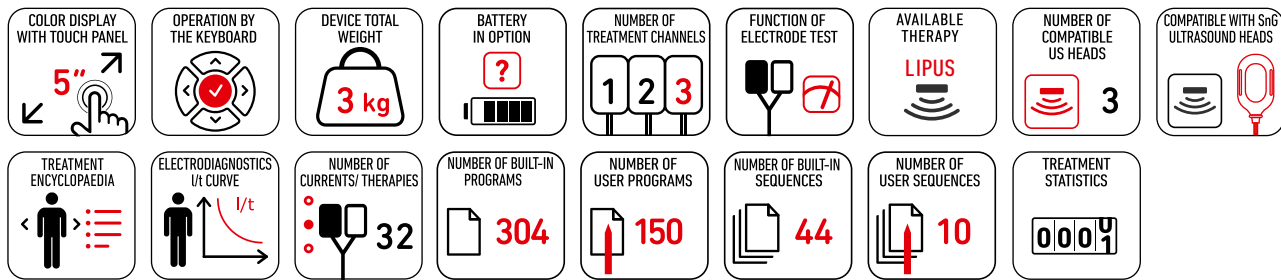
COMBINED THERAPY

- CC (constant current) mode or CV (constant voltage) mode operation

CURRENTS IN COMBINED THERAPY

- TENS pulse currents
- AMF current
- Kotz' current
- Medium frequency currents
- EMS





TECHNICAL PARAMETERS

PhysioGo.Lite COMBO

ELECTROTHERAPY PARAMETERS

max. current intensity in patient circuit (CC mode)

unipolar sine surge 30 mA	30 mA
galvanic, IG 80 mA	80 mA
diadynamic 70 mA	70 mA
bipolar sine surge, Hufschmidt stimulation 100 mA	100 mA
interferential, TENS, Kotz's stimulation, pulse currents, MF, tonolysis, EMS, H-waves, exponential pulses 140 mA	140 mA
microcurrents 1000 µA	1000 µA
max. voltage amplitude in the patient circuit (CV mode) 140 V	140 V
treatment timer	1 – 60 minutes

ULTRASOUND PARAMETERS

frequency of operation	1 MHz and 3 MHz
total area of the head front GU-1; GU-5; SnG	1 cm²; 5 cm²; 17,3 cm²
max. ultrasound intensity	2/3 W/cm²
frequency in pulse mode	
for GU-1, GU-5, SnG	10 – 150 Hz with a variable step
for LIPUS	1 kHz

device dimensions	25,0 x 27,0 x 16,5 cm
weight max.	3 kg
battery type (optional)	Li-Ion
battery capacity (optional)	2100 mAh
mains supply	100 – 240 VAC, 50/60 Hz
power consumption	24 VDC, 2,5 A

STANDARD PARTS

mains cable with filter	1 pc.
switch mode power supply	1 pc.
patients' cables	2 pcs.
electrodes 6x6 cm	4 pcs.
electrodes 7,5x9 cm	2 pcs.
viscose covers 8x8 cm	8 pcs.
viscose covers 10x10 cm	4 pcs.
velcro belt 40x9 cm	2 pcs.
velcro belt 100x9 cm	2 pcs.
USG gel	1 pc.
touchscreen stylus pen	1 pc.
touchscreen cleaning cloth	1 pc.
masking covers with cutout	2 pcs.
spare fuses	1 pc.
instructions for use	1 pc.
electrical safety test report	1 pc.

OPTIONAL PARTS

self-adhesive electrodes 5x5 cm, 5x10 cm
point electrodes with adapter 6 mm, 10 mm, 15 mm, 20 mm
sand bags 21x14 cm, 21x28 cm
GU-1 head; 1/ 3 MHz; 1 cm² with holder
GU-5 head; 1/ 3 MHz; 5 cm² with holder
SnG head; 1/ 3 MHz; 17,3 cm² with holder
bag for the unit and additional parts
Versa/ Versa X/ Versa XUVC trolley
battery

NOTICE!

The ultrasound heads are not part of the standard equipment. These must be purchased separately.
The availability of the device's parameters depends on the chosen configuration of additional parts.
Combined therapy can be performed only with GU-1/5 cm² ultrasound heads.



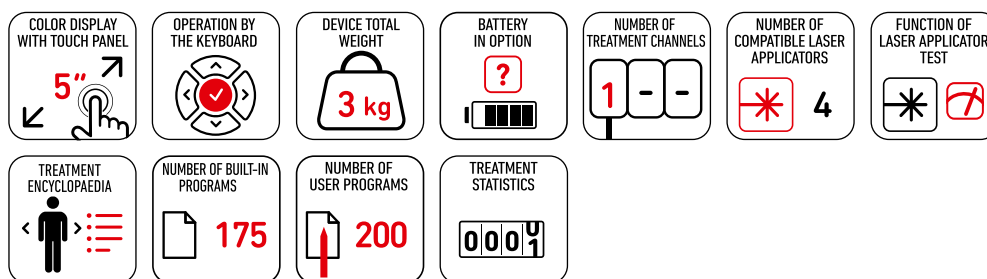
PhysioGo.Lite LASER



LASER THERAPY

- it cooperates with R, IR probes, cluster applicator and scanning applicator
- emission modes: continuous and pulse
- laser power regulation
- duty factor regulation
- possibility of automatic treatment repetition
- built-in laser power measurement test – scanning applicator and point probes
- automatic treatment time calculation on the basis of treatment parameters – dosage, power, duty factor, treatment area and the distance between the scanning applicator and the patient's body
- three treatment area irradiation patterns in scanning applicator
- dedicated modes for working with optic fiber applicators
- optical fiber applicators for laserpuncture and laryngology
- pilot beam indicating the place of application – scanning and cluster applicator





TECHNICAL PARAMETERS

PhysioGo.Lite LASER

LASER THERAPY PARAMETERS

biostimulation laser probes

red light probe wavelength	660 nm
red light probe maximum power	80 mW
infrared light probe wavelength	808 nm
infrared light probe maximum power	400 mW
power adjustment	25%, 50%, 75%, 100%
frequency in pulse mode	1 – 5000 Hz
duty factor in pulse mode	10 – 90%, impulse 50 µs

scanning laser applicator

scanning applicator wavelength	808 and 660 nm
scanning applicator maximum power	450 and 100 mW
power adjustment	50%, 100%
frequency in pulse mode	1 – 5000 Hz
duty factor in pulse mode	75%

cluster laser applicator

cluster applicator wavelength	4x 808 nm and 5x 660 nm
cluster applicator maximum power	4x 400 mW and 5x 40 mW
power adjustment	50%, 100%
frequency in pulse mode	1 – 5000 Hz
duty factor in pulse mode	10 – 90%

laser device class

laser device class	3B
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treatment timer	1 s – 100 min.
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device dimensions	25,0 x 27,0 x 16,5 cm
device weight	3 kg
battery type (option)	Li-ion
battery capacity (option)	2100 mAh
mains supply	100-240 V, 50/60 Hz

STANDARD PARTS

switch mode power supply with mains cable	1 pc.
laser warning labels	1 set
DOOR blocking plug	1 pc.
touch screen pen	1 pc.
LCD touch screen cloth	1 pc.
masking covers with cutout	2 pcs.
spare fuses	1 pc.
instructions for use	1 pc.
electrical safety test report	1 pc.

OPTIONAL PARTS

point applicator R 660 nm/ 80 mW with holder
point applicator IR 808 nm/ 400 mW with holder
scanning applicator R+IR 100 mW + 450 mW with stand
cluster laser applicator – typ CL1800 R 5x40 mW i IR 4x400 mW with holder
cluster applicator stand CL1800
optical fiber applicators: straight ø 6 mm, angled 45 ø 6 mm, angled 45 ø 6 mm narrowed with holder
laser therapy protective goggles
bag for the unit and additional parts
Versa/ Versa X/ Versa XUVC trolley
battery

NOTICE!

Laser applicators are not part of the standard equipment of the unit. These must be purchased separately. The availability of the device's parameters depends on the chosen configuration of additional parts.



Lumina

Infrared radiation therapy lamp

FULL REGULATION

specially designed rotating elements and lamp holders ensure that IR rays can be easily directed to the desired area.

FUNCTIONALITY

- controller built-in on the lamp's casing
- easy access to device's settings

SIMPLE OPERATION

- quick and trouble-free filter replacement
- safety mesh protecting the patient against bulb breakage





The solid and functional stand is equipped with wheels with brakes.



INFRARED THERAPY

- brightness adjustment
- brightness or time display
- easy filter application (red or blue)
- filter protecting mesh
- mobile stand (4 wheels)
- table stand
- stand height adjustment
- lamp angle adjustment
- forced tube cooling

TECHNICAL PARAMETERS

	Lumina
bulb light intensity	10 – 99%
maximum power of the bulb	375 W
power consumption	max. 450 W
treatment time	1 – 30 min.

device height	min. 1,2 m, max. 1,9 m
dimension of the lamp base (WxD)	max. 0,5 x 0,6 m
dimensions of the table stand – without lamp (WxDxH)	30,0 x 31,5 x 6,0 cm
dimensions of the table stand – with lamp (WxDxH)	30,0 x 39,0 x 41,0 cm
weight of stand with lamp	13,7 kg
weight of table stand with lamp	5,5 kg
mains supply, power consumption	230 V, 50/60 Hz

STANDARD PARTS

lamp tube	1 pc.
table stand	1 pc.
mobile stand	1 pc.
mains cable	1 pc.
375 W radiator	1 pc.
red filter	1 pc.
blue filter	1 pc.
protective glasses for the patient	1 pc.
protective glasses for the therapist	1 pc.
allen key	1 pc.
spare fuses	2 pcs.
instructions for use	1 pc.
electrical safety test report	1 pc.

OPTIONAL PARTS

230 V/250 W radiator
front safety mesh without glass filter



Lumina



TABLE STAND

Quick and simple mounting on the base.
Full adjustment of the tube inclination angle.
Feet protecting the surface of the table.



MOBILE STAND

The lamp can be mounted on a specially designed mobile stand. Stand is adjustable in height and angle of the lamp tube and is equipped with wheels with brakes.





Avaco



Vacuum therapy

TECHNOLOGY

- durable construction
- comfortable keyboard
- detection of high water level in a container
- possibility of suction power regulation

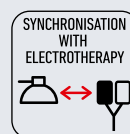
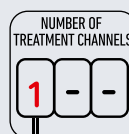
MODES OF OPERATION

- continuous
- pulsed
- pulsed with variable pulsation
- synchronized with current
- pulsed with increased bottom vacuum



FUNCTIONALITY

self-sealing suction cups



VACUUM THERAPY

- mode of operation: continuous, pulsed, pulsed with variable pulsation, synchronized with current, pulsed with increased bottom vacuum
- two independently operating circuits (simple operation in one-circuit mode)
- self-sealing suction cups
- possibility of suction power regulation
- control of operating parameters during treatment
- detection of high water level in a container
- special mode dedicated to emptying the container
- independent sockets for connecting electrodes for electrotherapy
- compatible with any electrostimulator manufactured by Astar

TECHNICAL PARAMETERS

Avaco

frequency of vacuum pulse	6, 12, 20, 40, 60 imp/min
vacuum	max. 500 mbar/hPa
vacuum regulation step	100 – 500 mbar, step 40 mbar
number of suction cups	4
dimensions	30 x 26 x 12 cm
weight	3,5 kg
mains supply, power consumption	230 V, 50 Hz, 40 VA

STANDARD PARTS

mains cable	1 pc.
electrotherapy connection cables	4 pcs.
suction hoses	4 pcs.
suction cups 60 mm	4 pcs.
cellulose/viscose pads 60 mm	4 pcs.
suction cup holder	2 pcs.
spare fuses	2 pcs.
instructions for use	1 pc.
electrical safety test report	1 pc.

OPTIONAL PARTS

suction cups 90 mm
cellulose/viscose pads 90 mm
Versa/ Versa X/ Versa XUVC trolley



Versa/Versa X

Trolleys suited to physiotherapy practices



MODERN DESIGN

- possible configuration (Versa)
 - holder for electrodes/ suction cups/ gel/ paper towel
 - drawer for additional parts
- shelf height adjustment (second and third)



MOBILITY

Wheels with brakes

TECHNICAL PARAMETERS

	Versa	Versa X
upper shelf carrying capacity	max. 10 kg	max. 10 kg
total bottom shelf carrying capacity (along with drawer and its content)	max. 7 kg	max. 7 kg
bottom shelf regulation range	about 60 cm	about 50 cm
upper shelf external dimension (WxD)	58,0 x 34,0 cm	58,0 x 39,0 cm
upper shelf internal dimension (WxD)	39,5 x 30,0 cm	39,5 x 35,0 cm
bottom shelf external dimension (WxD)	40,0 x 26,0 cm	40,0 x 26,0 cm
drawer external dimension (WxDxH)	39,0 x 33,0 x 9,0 cm	39,0 x 33,0 x 9,0 cm
drawer internal dimension (WxDxH)	28,5 x 18,5 x 8,0 cm	28,5 x 18,5 x 8,0 cm
trolley dimensions (WxDxH)	58,0 x 49,0 x 87,5 cm	58,0 x 49,0 x 89,0 cm
weight of trolley in standard version	13,9 kg	23 kg

STANDARD AND OPTIONAL PARTS

upper shelf	•	•
upper shelf for Impactis M+	–	•
bottom shelf	•	•
additional lower shelf	◦	◦
power supply holder	–	•
gel holder	◦	2
paper towel holder	◦	•
drawer for additional parts	◦	•

STANDARD PARTS •
 OPTIONAL PARTS ◦
 unavailable –



Electrodes/ suction cups holder



Power supply holder



Versa XUVC



A trolley for medical equipment
and an in-duct germicidal lamp in one!



COMFORT AND EFFECTIVENESS

The Versa XUVC trolley is an excellent addition to the physiotherapy office. It provides an optimal base for the devices used during therapy and disinfects the air.

The innovative combination used in the product is covered by the utility model protection no. RCD 008850705.

TRUST

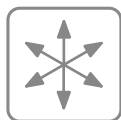
The Chief Sanitary Inspectorate recommends the use of UV-C for disinfection, and WHO has reported that UV-C effectively and safely inactivates transmitted coronaviruses.

Information about the use of appropriate disinfecting equipment in the treatment rooms increases the confidence of those who attend the clinic.

SAFETY

Practical operation time counter helps control the life of the UV-C lamp.

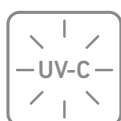
Life time up to 9000 h



DISINFECTED
CUBATURE
22,2 – 45 m³



FAN
CAPACITY
110 m³/h



TYPE OF RADIATION
/ POWER
55 W

TECHNICAL PARAMETERS

	Versa XUVC
mains supply	230 V, 50/60 Hz, 90 W
max. sockets power	2 300 W (ΣIN 10 A)
upper shelf carrying capacity	max. 10 kg
bottom shelf total carrying capacity (with drawer and its contents included)	max. 7 kg
bottom shelf regulation range	50 cm
upper shelf external dimensions (WxD)	58,0 x 39,0 cm
upper shelf usable dimensions (WxD)	39,5 x 35,0 cm
bottom shelf external dimensions (WxD)	40,0 x 26,0 cm
drawer external dimensions (WxDxH)	39,0 x 33,0 x 9,0 cm
drawer usable dimensions (WxDxH)	28,5 x 18,5 x 8,0 cm
trolley dimensions (SxGxW)	58,0 x 49,0 x 89,0 cm
weight of trolley with induct lamp	25 kg

STANDARD AND OPTIONAL PARTS

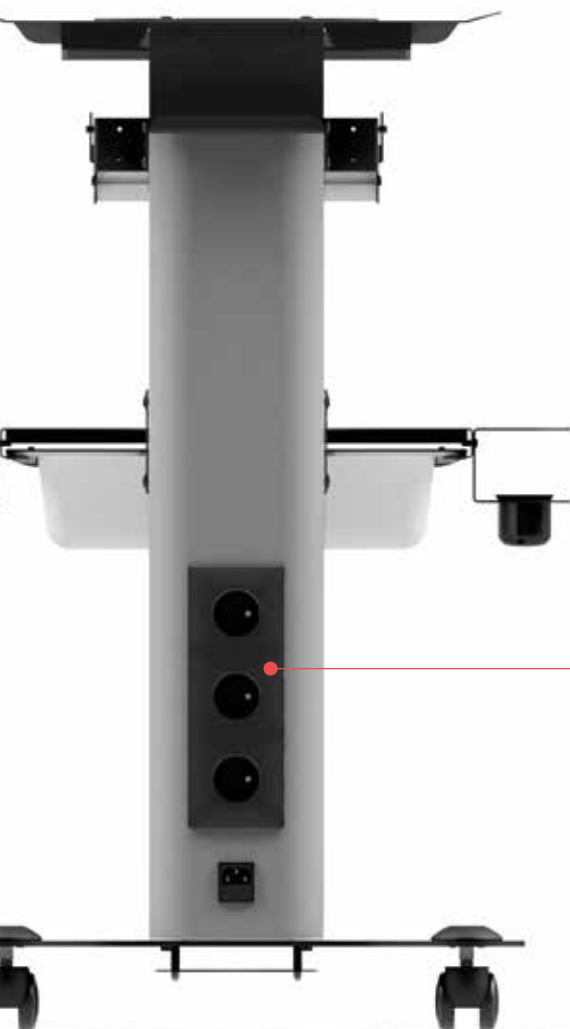
trolley Versa XUVC with in-duct germicidal lamp	•
upper shelf	•
bottom shelf	•
additional lower shelf	◦
stabilizer dedicated for Impactis M+ unit	•
power supply holder	•
gel holder	2
drawer for additional parts	•
paper towel holder	•
55 W UVC lamp	•
mains cable	•
spare fuses	2
instructions for use	•
electrical safety test report	•

STANDARD PARTS •
OPTIONAL PARTS ◦



FUNCTIONALITY

The trolley is equipped with a socket-outlet that facilitates the connection of devices placed on it to the power supply.



a place for good ideas

ASTAR.

43-382 Bielsko-Biala
33 Swit Street
Poland

telephone numbers
+48 33 827 18 56
+48 33 829 24 40

export@astar.eu



www.astar.eu

Substantive support
fizjotechnologia.com/en

AS-KAT/EN-24-V1