

# Ultrasound therapy

## Sonaris

Sonaris is a modern device designed to carry out ultrasound therapy and phonophoresis treatments. In combination with electrostimulator it is possible to perform the combination therapy.

The qualities that set the device apart are sophisticated design, functionality, ergonomics and the high quality of workmanship.

The unit is available in two versions:

The **S version** works with two types of ultrasound heads:

- with effective radiation area 1 cm<sup>2</sup> which generates ultrasound wave with 1 MHz or 3,5 MHz frequency
- with effective radiation area 4 cm<sup>2</sup> which generates ultrasound wave with 1 MHz or 3,5 MHz frequency

The **M version** works with one ultrasound head with effective radiation area 4 cm<sup>2</sup> which generates ultrasound wave with 1 MHz frequency.

Small dimensions and light weight of the unit make it easy to transport and to work out of the dedicated position, e.g. in the home healthcare environment.

### SPECIFICATION

#### ULTRASOUND THERAPY

- operating frequency 1 MHz/3,5 MHz
- effective radiation area 1 cm<sup>2</sup> and 4 cm<sup>2</sup>
- continuous emission – thermal effect
- pulse emission – micro-massage
- ultrasound heads provided with contact control connected to treatment timer
- stabilization of output power

#### MANUAL MODE

complete control over parameters for advanced users

#### TREATMENT PROGRAMS

- simplification of the unit operation
- treatment programs chosen by name
- 52 programs for the ultrasound therapy (M version – 42 programs)
- 10 user-defined programs



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## Technical specification

### ERGONOMICS

- operation mode: program/manual
- easy-to-read display
- preset treatment programs
- edition of the user-defined programs
- treatment timer
- precise control of the ultrasound wave during the treatment procedure
- comfort of operation – the unit does not stop the emission when ultrasound absorption deteriorates for a moment, e.g. in the bones area

### STRUCTURE

- LCD display
- modern design
- heavy-duty and reliable keyboard
- calibration parameters saved in the head memory
- self-test – systematic control of the unit and heads

### TECHNICAL SPECIFICATIONS

treatment timer	1 – 30 min.
mains supply	230 V, 50 Hz, 40 W
unit dimensions (without holders)	30x23x11 cm
weight	3 kg
operation mode of the ultrasound generator:	continuous, pulse
pulse frequency	16 Hz, 48 Hz, 100 Hz
duty factor for pulse mode	10 %, 25 %, 50 %, 75 %

### ULTRASOUND HEAD

<b>GS4-type</b>	acoustic operating frequency	1 and 3,5 MHz
	ERA 4 cm <sup>2</sup> , maximum power	10 W
	max. power density	2,5 W/cm <sup>2</sup>
<b>GS1-type</b>	acoustic operating frequency	1 and 3,5 MHz
	ERA 1 cm <sup>2</sup> , maximum power	2,5 W
	max. power density	2,5 W/cm <sup>2</sup>
<b>GM-type</b>	acoustic operating frequency	1 MHz
	ERA 4 cm <sup>2</sup> , maximum power	10 W
	max. power density	2,5 W/cm <sup>2</sup>

### WARRANTY

Sonaris	2 years
ultrasound heads	2 years

### STANDARD ACCESSORIES

- mains cable
- M-version – GM head with holder
- ultrasound gel 500 g
- user guide

### OPTIONAL ACCESSORIES

- S-version – GS4 head with holder
- S-version – GS1 head with holder
- combination therapy cable
- bag for the unit and accessories
- trolley

