

# Ultrasound Therapy Units and Accessories

Sonostat<sup>®</sup> 133  
Sonostat<sup>®</sup>





## The versatile and powerful ultrasonic therapy

The Sonostat® with 1 MHz and 3.3 MHz frequencies offers a high degree of functionality and operating convenience for the universal ultrasonic therapy. Our ergonomically designed and 100% watertight treatment heads of either 2.5 cm<sup>2</sup> or 5 cm<sup>2</sup> are made of high-quality titanium. In contrast to conventional aluminium heads, titanium is bioinert, i.e. 100% gentle to the skin, more robust and durable and does not tarnish. Both treatment head sizes can be connected to the unit at the same time.

The desired treatment head can be activated by a mere touch on the touch screen. Both treatment head types may be used for both frequencies. The required working frequency can be selected via the touch screen.

For an effective ultrasonic therapy, the treatment head must always have sufficient contact with the patient's body. This is monitored by an LED integrated into the treatment head. Optionally, a coupling signal can be activated.

Setting the treatment parameters is easy and time-saving, thanks to the user-friendly 10" full colour touch-screen. With one single touch the user can select a therapy from his personal list of favourites.

The system offers several operating modes. In addition to continuous-wave operation (CW), there are also five pulsed modes available, with pulse duty factors of 100%, 50%, 30%, 20%, 10% and 5%. As an alternative to setting the treatment parameters manually each time, the user can either choose from a comprehensive indication menu or select from the pre-set treatment programs. These can be created and stored in the system's memory on a customized basis.

All treatment parameters are indicated clearly on a 10" TFT LCD full colour touch-screen monitor. The modern high-tech design with a brushed aluminium surface is an additional and significant quality characteristic of the Sonostat®.

Intensity:	0 - 3 W/cm <sup>2</sup> (1 MHz) 0 - 1.5 W/cm <sup>2</sup> (3.3 MHz)
Max. power output	15 W
Sound frequency	1 MHz ±10% or 3.3 MHz ±10%
Treatment heads	2.5 cm <sup>2</sup> or 5 cm <sup>2</sup> Same head for 1 and 3.3 MHz
Timer	1 - 30 min
Pulse ratio	100%, 50%, 30%, 20%, 10%, 5%
Pulse frequency	100 Hz
Power supply	100 - 240 V, 50 - 60 Hz
Class of protection	I (IEC60601)
Degree of protection (Applied part)	BF (IEC60601)
Class of equipment	Ila (acc. To MDD)
Degree of protection	IP X0 (IEC 60529)
Dimensions	27 x 19.3 x 28 cm (W x H x D)
Weight	4.9 kg without accessories
Warranty period	24 months
	Subject to technical changes without prior notice



## The low-cost starter unit for Ultrasonic Therapy

The SONOSTAT<sup>®</sup> 133 with its different frequencies (1 and 3.3 MHz) and easy handling is the ideal start into Ultrasonic Therapy.

The ultrasound is applied with ergonomically designed and 100% watertight treatment heads of 2.5 cm<sup>2</sup> or 5 cm<sup>2</sup>. The treatment heads are made of high-quality titanium, which is bioinert in contrary to conventional aluminium heads, i.e. 100% friendly to the skin. Furthermore, the heads are very robust, much more durable and non-tarnishing.

Both treatment head types may be used for both frequencies. The required working frequency can be selected on the control panel by just pressing the respective button.

For an effective ultrasonic therapy, the treatment head must always be in sufficient contact with the patient's body. This is monitored optically by means of an LED, integrated into the treatment head.

Setting the treatment parameters is easy and time-saving, thanks to the user-friendly combination of push buttons. All controls are arranged on the control panels in a functional and self-explanatory manner.

In addition to continuous-wave operation (CW), there are also three pulsed modes available, the pulse duty factors being 1:5, 1:10 and 1:20.

The treatment time can be adjusted by pushing buttons and is indicated on a 2-digit 7-segmental display.

A compact housing design, high operator convenience and an optimized safety concept are further significant quality characteristics of the SONOSTAT<sup>®</sup> 133.

Intensity	0 - 3 W/cm <sup>2</sup> (1 MHz) 0 - 1.5 W/cm <sup>2</sup> (3.3 MHz) continuously adjustable
Max. power output	15 W
Sound frequency	1 MHz ±10% or 3.3 MHz ±10%
Treatment heads	2.5 cm <sup>2</sup> or 5 cm <sup>2</sup> same head for 1 and 3.3 MHz
Timer	1 - 15 min
Pulse ratio	CW, 1:5, 1:10, 1:20
Power supply	100 - 240 V, 50 - 60 Hz
Class of protection	I (IEC60601)
Type (application unit)	BF (IEC60601)
Class of equipment	Ila acc. to MDD
Degree of protection	IP X1 (IEC 60529)
Dimensions	37 x 6.5 x 23 cm (WxHxD)
Weight	1.9 kg without accessories
Warranty period	24 months

Subject to technical changes without prior notice.



## Accessories for Sonostat (touch)

	Part-No.	Specification	Use	Application	Remarks
	032-0-3010	Ultrasound probe with cable and plug, emitting surface 2.5 cm <sup>2</sup>	Ultrasound with 1 and 3.3 MHz		
	032-0-3020	Ultrasound probe with cable and plug, emitting surface 5 cm <sup>2</sup>	Ultrasound with 1 and 3.3 MHz		
	45-39-128 EH725	Ultrasonic contact gel 250 ml	For ultrasound probe		
	014-0-0014	Connection cable red with 2 mm plug	For combination therapy, replaces the 2 <sup>nd</sup> suction hose		
	026-0-3000	UNICAR® 2000 Basic Rack			
	026-0-3050	Module Sonostat Consists of Unit holder and all mounting material			
	026-0-3010	Optional: Holder for Ultrasound gel			

## Accessories for Sonostat 133

	Part-No.	Specification	Use	Application	Remarks
	023-0-0141	Ultrasound probe with cable and plug, emitting surface 5 cm <sup>2</sup>	Ultrasound with 1 and 3.3 MHz		Also spare part for Sonostat 135
	023-0-0140	Ultrasound probe with cable and plug, emitting surface 2.5 cm <sup>2</sup>	Ultrasound with 1 and 3.3 MHz		Also spare part for Sonostat 135
	45-39-128 EH725	Ultrasonic contact gel 250 ml	For ultrasound probe		
	014-0-0014	Connection cable red with 2 mm plug for the use with NEOSERV® 114, SONOSTAT® 133 or SONOSTAT® 135	For combination therapy, replaces the 2 <sup>nd</sup> suction hose		
	024-0-1000 and 024-0-0010	UNICAR® 1000 Basic rack with small device tray incl. drawer	For SONOSTAT® 133		



