SONICA® 5300 S4

REF CODE

Product name	Code
5300 ETH S4 SC V2*	090.027.0017
5300 EP S4 SC V2*	090.027.0018
SONICA Ultrasonic Cleaner 28 Litres	

Accessories

Stainless steel wire basket Internal dim. 460x260x90mm	090.004.0010
Stainless steel lid for 5200/5300 ETH	090.004.0025
Stainless steel lid with lift sensor for 5200/5300 EP	090.037.0006
Stainless steel auxiliary tank SONICA 5300 Indicative dim. 500x300x200mm	090.004.0048
Stainless steel beaker holder for two glass or plastic beaker	090.004.0036
Plastic beaker 250 ml	090.004.0032
Glass beaker 400 ml	090.004.0033

Further accessories on request

5300 EP S4 SC V2

* Stainless steel tank made in AISI 304 thickness 08/10 with round tank corners for a better removing of dirt residuals after cleaning process. The tank is conical and realized with a press machine

General Characteristics

Ultrasonic Cleaning is a safe and efficient modern procedure, which ensures perfect cleaning within the shortest time possible. It has many advantages over ordinary cleaning methods. Ultrasonics can remove even the most tenacious deposits from parts which would be difficult to reach by hand, it also reduces the risk of injury or infection which may occur during manual cleaning.

Notes for use as "Medical Devices"

Denomination: Ultrasonic Cleaning Equipment EMDN: Z12011302
Field of application: Ultrasonic Cleaning Equipment for surgical and dental instruments
Classification: Medical Devices Regulation Class I rule 13, Active MD, Non Invasive MD, Non Implantable MD

SONICA® 5300 S4

Technical specification subject to change

Technical Data

Main line voltage	230/240V~50/60Hz
Main input power/consumption	500 W
Main input power with heating	1500 W
Peak HF Ultrasound Power	1000 W
US frequency	39 kHz ± 1 kHz with SWEEP SYSTEM Technology
Liquid drain	1/2"
Transducers	10 (2 Piezoelectric ceramics each)
Tank capacity [L]	28
Weight [KG]	15
Installation category	Class II according to EN 61010-1
Environmental conditions	Temperature Rel. Hum. 80% up to 31°C with linear decrease up to 50% at 40°C
IP grade	IP 22
CE-compliant	EMC (EN 61326-1) LV (EN 61010-1 EN 61010-2-040) 2017/745/UE Medical Device Regulation Risk Class I according to the rule 13 to the MDR

Overheat switch : Automatic bimetallic Thermostat operating at 140°C fixed on the heating element

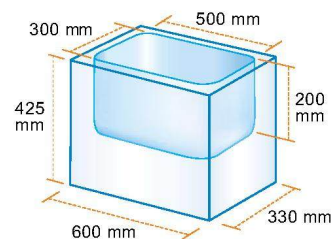## Approximately Internal Tank Dimensions

W/D/H (mm)	500 / 300 / 200
Max filling volume tank	28 L

External Appliance Dimensions

W/D/H (mm)	600 / 330 / 425
Max operating tank volume	25 L

Constructive Materials

Housing	Stainless steel AISI 304
Tank	Stainless steel AISI 304

Available Control panel series

ETH

- **Sweep System** generator
- Two line OLED display for quick and intuitive setting of the operating parameters
- Wide setting of time from [1-2-3-4] [5-10-20-25] [10-20-30-40] minutes and cleaning temperature from [35°- 40°] [45°- 50°] [55°- 60°] Centigrades;
- Possibility of remote control functionality activated from control panel (Optional upon request)
- Waterproof control panel

EP

- **Sweep System** generator
- Two line OLED display for quick and intuitive setting of the operating parameters
- Jet program function to quickly and easily start the cleaning cycle.
- Accelerated heating function and temperature homogenization
- System log function for data traceability
- Pre-set program function
- Lid opening / use control functionality
- Date / Clock function
- Cleaning quality test program function
- Manual free program function
- DEGAS function (0-99 minutes)
- Ultrasonic cleaning function (0-99 minutes)
- Ultrasonic cleaning bath temperature function (up to to 70°C)
- Temperature control via external sensor
- Remote control function (optional on request)

Accessories

External temperature sensor (Optional)

Example of external temperature sensor application

External temperature probe (optional)
product code 091.002.0001

Remote control (optional)

6-pole DIN connector

Multi-core cable with 6-pole (male) DIN connector (optional) **product code 091.002.0002**

REMOTE CONTROL technical specifications

In the new SONICA S4 series it is possible to optionally   the Remote Control function for both EP and ETH S4 versions. This option can be supplied on request on all models – a feature difficult to find on the market for small and medium-sized "*stand alone*" ultrasonic cleaners.

This function allows to activate/deactivate the ultrasound. Once a temperature has been set on the ultrasonic cleaner it is also possible to turn on and off the heating resistor via remote control.

REMOTE CONTROL mode use and electrical connections

The machines optioned for the Remote Control mode are equipped with a 6-pole (female) DIN connector on the back of the equipment, covered by a protective cap.

A multi-core cable with a 6-pole (male) DIN connector is also supplied with the equipment. The opposite end the cable is unsheathed and individual cables can be connected to the controller.

Control logic and connection to the controller

The main function is the possibility of activating the machine independently of the equipment controller, thus making it possible to decide the start and duration of the cleaning cycle according to the needs.

Switching off the heating resistor is a secondary function, because it always requires the temperature of the cleaning liquid to be set and the heating to be switched on from the equipment panel, as seen in the instructions for use, since the temperature control is always managed by the equipment controller.

This function can be useful if you need to control the temperature of the bath using an external temperature sensor, connected to the controller and immersed in the tank containing the cleaning liquid.

For more detailed information, please refer to the Instruction For Use of our New SONICA Ultrasonic Cleaners S4 series. You will find the connection diagram to the external controller for remote control