

basic
SteriMax



New

smart
SteriMax



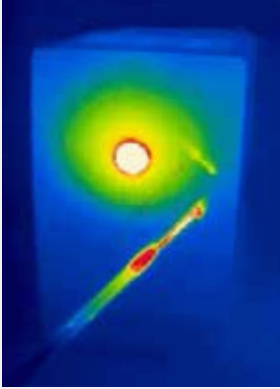
Sterilizing by IR-HotSpot



WLD-TEC GmbH

SteriMax^{basic}

SteriMax^{smart}



Efficient use of energy



No air turbulences

Infrared loop sterilizer - using IR-HotSpot technology

High-Speed annealing and sterilizing the smartest way

Are you looking for a fast, efficient and flameless product to anneal or sterilize your inoculation loops and delicate micro instruments? Then our electrical **SteriMax basic / smart** should be your first choice – ideally suited for use in any type of lab, anaerobic work environment and Laminar Flow Cabinet!

Smart infrared light – instantly ready to work

Specifically focused infrared light generates an IR-HotSpot in which your inoculation loop is sterilized at temperatures from 750 to 1000°C after only 5 to 10 seconds. The **SteriMax basic / smart** just needs to be plugged in and will be immediately ready to use, without any warm-up period!

Our highly sophisticated annealing tube is based on many years of experience. It is made of special quartz glass. The tube is closed at one end preventing any risk of contamination with pathogenes. The annealing tube can be slid out in a matter of seconds for easy cleaning.

Smart operation – comfortable working

SteriMax basic / smart allows you to fully focus on your core task. Hardly any attention is needed for inserting your inoculation loop into the annealing tube – which is easily accessible from the front of the flat glass panel. Depending on the model you can start the sterilization process via touch panel, IR-Sensor or foot pedal*.

Smart use of energy – minimum heat dissipation

"Thermocontrol" is the key element for an efficient use of energy. It allows a quick but smooth softstart of the infrared light, a short heating period and the re-use of residual heat for the next sterilization process. Whenever you pause, your energy consumption and heat dissipation will pause as well.

Smart design – outstanding features

SteriMax smart / basic is presented in an elegant stainless steel housing with a safety glass touch panel designed for extreme laboratory environments with many unique features.

* optional

- Instantly ready to work without any warm-up period
- No ranger of combustion on the housing (Cool-Touch)
- Comfortable touch operation
- Efficient use of energy through Thermocontrol
- Annealing tube made of special quartz glass
- Very simple cleaning of the device and annealing tube



Cool-Touch

SteriMax *basic*

The sterilization process starts with just a fingertip on the touch panel or by pushing the foot pedal*.

A fixed timer (10 sec.) controls the annealing of your instruments automatically.

Thermocontrol uses the residual heat and automatically shortens the energy supply for the next sterilization.

The course of the sterilization can be followed from start to end by looking upon the inoculation loop symbol.

After that your inoculation loop is ready for use!

*optional



New

SteriMax *basic*

SteriMax *smart*

Programs:

Start via IR-Sensor		✓
Start via touch	✓	
Start via foot pedal*	✓	
2 user accounts		✓
Sterilization at start-up	✓	✓
Adjustable sterilization- / cool down period		✓
Adjustable sensor range		✓
Timer display		✓
Sterilization display	✓	✓
No warm-up period	✓	✓
Thermocontrol	✓	✓
Residual heat display	✓	✓
Buzzer		✓
Holding device for 3 WLD-TEC inoculation loop holder		✓
Cool-Touch casing	✓	✓

*optional

SteriMax *smart*

Touchless IR-Sensor technology starts the sterilization process automatically.

The timer can be viewed and adjusted (exact to the second) for 2 different user accounts simply by touching the panel.

Thermocontrol is using the residual heat and automatically reduces the time of sterilization up to 5 seconds.

2 adjustable timers indicate the completion of the sterilization period (5 - 10 sec.) and cooling down process (0 - 25 sec.) via the display and an audible signal.

After that your inoculation loop is ready for use!



The range:

Infrared light technology and quartz glass annealing tube
 Replacement quartz glass annealing tube (smart)
 Inoculation loop holder with inoculation loop Ø 3 mm
 Holding device for 3 WLD-TEC inoculation loop holders (smart)
 Instruction manual, 2-year warranty (except parts of wear and tear)

basic SteriMax

for 230 V mains voltage
 for 120 V mains voltage
 for 100 V mains voltage

Art.-No. 4.101.000
Art.-No. 4.102.000
Art.-No. 4.103.000

smart SteriMax

for 230 V mains voltage
 for 120 V mains voltage
 for 100 V mains voltage

Art.-No. 4.001.000
Art.-No. 4.002.000
Art.-No. 4.003.000



made
 in
 Germany



Technical Data

Sterimax smart

IR-Sensor: start of sterilization sensor range (8-stages adjustable)
 Touch operation: ON / OFF, 2 user accounts
 sterilization timer 5 - 10 sec.
 inoculation loop cooling down timer 0 - 25 sec.
 with acoustic signal (disengageable)
 Automatic unit switch off: 15, 30 or 60 min.

Sterimax basic

Touch operation: start of sterilization (10 sec.)
 Foot pedal* operation: start of sterilization (10 sec.)
 Automatic unit switch off: 15 min.

All models

Status display: optical display of the sterilization progress
 Thermocontrol: dynamic sterilization timer
 Sterilization at start-up: sterilization of the annealing tube before usage

Annealing tube

Quartz glass: 750 °C - 1000 °C sterilization temperature

Safety features

Residual heat display: indicates a hot annealing tube
 Temperature monitor: thermal circuit breaker

Electrical

Power supply: 230 V mains voltage: 220 - 240 V 50/60 Hz 2.6 A
 120 V mains voltage: 112 - 128 V 50/60 Hz 5.1 A
 100 V mains voltage: 95 - 105 V 50/60 Hz 6 A
 Power consumption: approx. 600 W / short time (5 - 10 sec.)
 Protection class: IP 20
 Heat source: IR-Halogen lamp

Mechanical

Quartz glass annealing tube: outer-Ø 19 mm, inner-Ø 16 mm, length 112 mm
 Casing: heat resistant glass / stainless steel,
 UV and solvent resistant
 Measurements (w x h x d): 110 x 170 x 180 mm
 Weight: approx. 1800 g

Licences

CE: EN 61326-1, EN 61010-1, EN 61010-2-010,
 EN 62471

EU guidelines: 2014/30/EU, 2014/35/EU, 2011/65/EU, 2006/25/EG

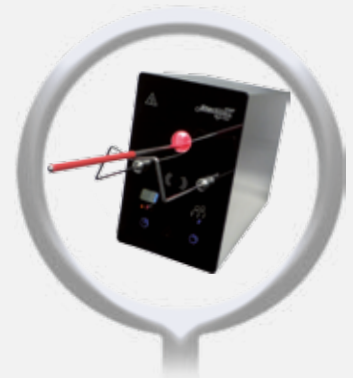
Protected Design

Ⓢ DM/082 011 (smart)
 Ⓢ DE 20 2016 101 067 (basic)

* foot pedal optional



Tray, 3 places
 stainless steel, for right or left side
Art.-No. 4.000.341



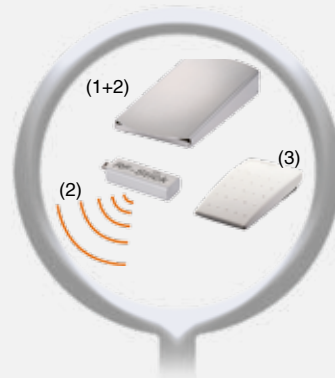
Magnetic instrument support
 stainless steel
Art.-No. 4.000.350



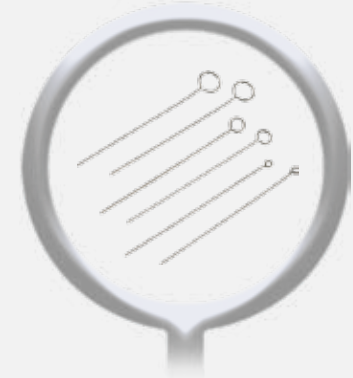
Quartz glass annealing tube
Art.-No. 4.000.400



Inoculation loop holder
 stainless steel, with sleeve nut,
 for inoculation loops Ø 0.6 - 1 mm
 length 245 mm
Art.-No. 6.000.360
 length 215 mm
Art.-No. 6.000.365



Foot pedals
 only SteriMax basic
(1) Foot pedal
 stainless steel, cable length 3.0 m
Art.-No. 6.000.402
(2) Foot pedal radio set
RF-Stick
 only available in EU countries
Art.-No. 6.000.404-RF
(3) Foot pedal Mini
 plastic, cable length 3.0 m
Art.-No. 6.000.403



Inoculation loops, wire Ø 0.6 mm
 Special stainless steel
 Ø 3 mm **Art.-No. 6.000.373**
 Ø 5 mm **Art.-No. 6.000.375**
 Platinum / Iridium
 Ø 1 mm **Art.-No. 6.000.381**
 Ø 3 mm **Art.-No. 6.000.383**
 Ø 5 mm **Art.-No. 6.000.385**



Sales Department:
 Beethovenstr. 3
 D-37085 Göttingen
 Tel: +49 (0)551 / 793789
 Fax: +49 (0)551 / 793707

Production & Service:
 Halle-Kasseler-Straße 49
 D-37318 Arenshausen
 Tel: +49 (0)36081 / 68940
 Fax: +49 (0)36081 / 68942

Email: sales@wld-tec.com • Internet: http://www.wld-tec.com
 (03/18) Subject to technical changes.