schuett *solaris*

It's magic ... Sterilize with light

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solaris

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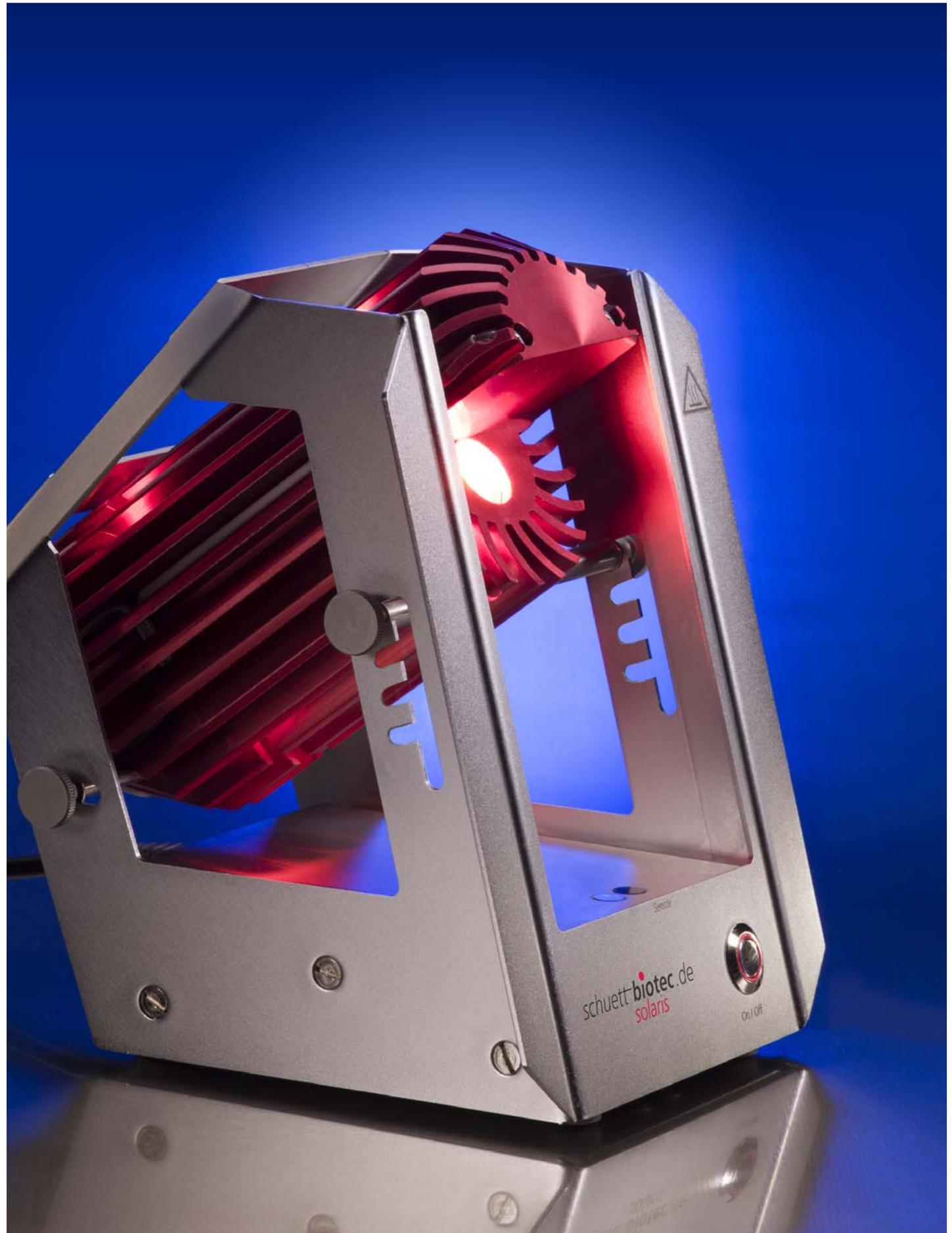
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schuett solaris Loop Sterilizer
Sterilization of inoculating loops, tweezers and small instruments within seconds

- Electrical, no gas needed, no open flame
- Instant-ready-to-use, no warm-up time, no waiting
- Sterilization temperature 900 – 1,300 °C, 1,650 – 2,370 °F
- Touch-free START, with IR- sensor and integrated timer
- Economical, low-cost operation

schuett solaris is the perfect alternative to the Safety Bunsen Burner or to the conventional Bunsen burner. The preferred solution where an open flame is to be avoided, gas cartridges are not readily available or the provision of a central gas supply is too expensive.

Used with standard electrical power, the device reaches the safe working temperature of 900 – 1.300 °C within the split of a second. No warm-up time necessary, no preheating.

START is generated by an infra-red sensor, which allows for one-handed operation. The metal portion of the loop-holder with the inoculating loop is exposed to the **schuett solaris Loop Sterilizer** for a preset 5 seconds. Sterilization of both the loop and the shaft of the loop holder will result simultaneously.

The integrated timer can be set to either 5 or 7 seconds. Once set, the timer guarantees a fixed and reproducible working cycle.
An easily accessible quartz tube serves as the sterilization chamber. It keeps pathogenic material from spreading and can easily be removed for cleaning.

User-friendly: the **schuett solaris** offers four fixed angular working positions, with intermediate stops at the user's discretion.

The **schuett solaris** is robust and sturdy. There are no parts subject to mechanical wear.
Low heat development during operation. The level of heat development depends upon the set sterilization time and the overall time of a work session. Even if in continuous use, this unit poses no hazard to the user if touched by hand.

Heat is generated only during the actual sterilization process. No energy consumption between work cycles.

Long-term studies have shown that the low heat generation of the device enhances the well-being of the user as it does not have a drying effect on the user's face or eyes.

When used in Laminar Flow Cabinets a significant benefit of the **schuett solaris** is its low level of heat emission as it does not interfere in any major way with the laminar air flow. It also does not emit soot which could impair the function of HEPA-Filters.

The **schuett solaris** Loop Sterilizer is well qualified for service both in the laboratory and in the demanding environment of field-use.

As its operation does not require oxygen, the **schuett solaris** can be used in anaerobic conditions.

…. even if there is no gas – Electrical power is always available !

Technical Data
schuett solaris

Dimensions (w x h x d)	152 x 210 x 195 mm
Weight	approx. 2.500 g
Temperature	900 °C … 1.300 °C
Connected voltage	100-120 VAC bzw. 200-240 VAC, 50-60 Hz, 500 W Short-time
Safety class	IP 20
Ordering information	**Cat.-No.**
schuett solaris, 230 V	**3.399 002**
schuett solaris, 115 V	**3.399 012**
Quartz tube with bottom (qty.=2), outer-Ø 17 mm, length 100 mm	**3.399 502**

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Rudolf-Wissell-Straße 13, D-37079 Göttingen, Germany
Fon +49 (0) 551/5 04 10-0, Fax +49 (0) 551/5 04 10-99
*info@schuett-biotec.de, **www.schuett-biotec.de***

Optional Accessories
**Inoculating loops Stainless steel
0,5 mm thickness, 60 mm long (qty=10)**
*Cat.-No. (Loop-Ø) 3.686 312 (1,5 mm)/
3.686 322 (2,5 mm)/ 3.686 332 (4 mm)*
**Inoculating loops Special stainless steel
0,5 mm thickness, 60 mm long (qty=10)**
*Cat.-No. (Loop-Ø) 3.686 112 (1 mm)/
3.686 122 (2 mm)/ 3.686 132 (3 mm)/
3.686 152 (5 mm)*
**Inoculating loops Platin-Iridium-wire (90/10),
0,5 mm thickness, 60 mm long (qty=1)**
*Cat-No. (Loop-Ø) 3.686 212 (1 mm)/
3.686 222 (2 mm)/ 3.686 232 (3 mm)/
3.686 252 (5 mm)*
Inoculating loop holders
*Inoculating loop holders,160 mm   3.686 362
Inoculating loop holders,240 mm   3.686 442*
**Racks for inoculating loop holders
with 6 holes a Ø 7 mm**
*Rack R (round),
80 x 50 mm (Ø x h)   3.687 082
Rack L (long)
180 x 50 x 50 mm (w x h x d)   3.687 182*