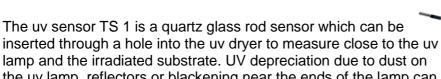
### uv-technik meyer gmbh

### TS 1 UV ranges Art. No. Spectral ranges A004572: TS 1 for UV-C UV-C 230 - 280 nm с A004573: TS 1 for UV-B UV-B 280 - 315 nm A004574: TS 1 for UV-A UV-A 315 - 410 nm A004575: TS 1 for UV-Vis UV-VIS 395 - 445 nm A004576: TS 1 for Gesamt-UV Full UV 230 - 410 nm Gesam A005030: TS 1 for UV-LED UV-LED 265 - 495 nm LED

## Advantages:

- Easy to use uv intensity measuring device (mW/cm<sup>2</sup>)
- Indicates lamp aging, lamp blackening and reflector conditions
- Different sensors for UV-C, UV-B, UV-A, UV-VIS, UV-LED and full UV available
- Mounting plate and guidance plate are included
- Calibration is stored in the intelligent sensor plug
- Delivery as a complete set in a case
- Battery driven universal handheld HI 1 optionally available

Available versions:



A CONTRACTOR on the optional handheld HI 1.

the uv lamp, reflectors or blackening near the ends of the lamp can also be measured. Through this realistic measurements will be achieved.

The calibration is stored in the intelligent sensor plug. The values are shown

The quartz glass rod is protected by a Ø 6 mm stainless steel tube. At the end of the stainless steel tube the measuring window is located on one side. Through

this window the uv radiation enters into the quartz glass rod and is guided to the sensor to be converted into an electric signal. The TS 1 is designed for short-time measurements for curing applications.

# UV intensity quartz rod sensor

**TS 1** 











### **Technical data:**

Tube Sensor TS 1		
UV ranges	Art. No.	Spectral ranges
<b>C</b>	A004572: TS 1 for UV-C	UV-C 230 – 280 nm
В	A004573: TS 1 for UV-B	UV-B 280 – 315 nm
	A004574: TS 1 for UV-A	UV-A 315 – 410 nm
VIS	A004575: TS 1 for UV-Vis	UV-VIS 395 – 445 nm
Gesamt	A004576: TS 1 for Full UV	Full UV 230 – 410 nm
	A005030: TS 1 for UV-LED	UV-LED 265 – 495 nm
Measuring distance to lamp	> 20 mm	
Max. permissible intensity	10,000 mW/cm <sup>2</sup> for max. 5 s; ; A005030: 20 W/cm <sup>2</sup>	
Measuring range	20 to 2,000 mW/cm <sup>2</sup> ; A005030: 20 mW/cm <sup>2</sup> to 20 W/cm <sup>2</sup>	
Accuracy	± 10%	
Temperature at the end of the rod	Quartz rod: 270°C at the end of the rod, max. 350°C for 15 s	
Power supply	The sensor is supplied by the optional handheld HI 1.	
Dimensions	Total length: 440 mm, diameter stainless tube: 6 mm	
	Plunge depth with mounting and guidance plate: 230 mm	
	Length entrance window: 20 mm	
Cable length	2 m	
Weight	155 g	
Scope of delivery	Sensor TS 1 with intelligent plug, mounting and guidance plate, case	
Calibration	Calibration is conform to DIN EN ISO/IEC 17025 and can be traced back to	
PTB (Phys. Technische Bundesanstalt).		

### To be ordered separately:

## Handheld HI 1 to read out the measurement



Handheld HI 1 (Art. No. A002067)

The intelligent sensor family:



UV sensor SI 1





IR sensor PMI 41

### Features Handheld HI 1:

- Small and portable and universal display unit for UV sensors TS 1 and SI 1 and IR sensor PMI 41
- large-scaled 7/16 segment display with units
- Measuring functions: Measured value, saving of maximum / minimum values, hold function
- Test functions: Range monitoring, sensor breakage indication, battery voltage check and display
- · Connected sensors are supplied with an auxiliary voltage

Detailed information about the Handheld HI 1 and the other sensors you can find on separate data sheets.