



## UV-Meter

UV Meter / UV-LED Meter

### System-Features

- PTB-traceable results
- Wide range of sensors
- USB-port, also for battery charging

### Advantages

- Handy
- Easy to operate
- Long battery life
- UV-LED measuring head

## UV-Meter

The hand-held Höhle UV-Meter measures exact data that is **traceable to the German standard PTB (Physikalisch Technische Bundesanstalt)**. Different sensors cover **wavelengths from 230 nm to 550 nm – UVC, UVB, UVA and VIS**.

According to its **wide range of interchangeable sensors** UV-Meter is suitable for different manufacturing processes. Its compact surface sensors are only 14 mm high. Also for point sources various sensors are available.

### Practical handling

A clearly arranged displays shows all modes of operation of this handy measuring unit, as well as the measured data (in mW/cm<sup>2</sup>, W/cm<sup>2</sup> or W/m<sup>2</sup>). An intuitive **operational concept by keypad, including short-cut keys** for the most important functions, guarantees highest possible user comfort. Alternatively, measurements can be carried out by PLC control. The UV-Meter offers automatic sensor recognition.

The batteries can be charged via USB and – thanks to lithium-ion technology – have a very long service life. **Two-channel measuring** for different wavelength ranges can be recorded at the same time.

### Application ranges

- for UV / UV-LED curing of inks and coatings
- for UV / UV-LED curing of adhesives and potting compounds
- for surface sterilisation via UVC radiation

### Documented measurement data

With the **measured data storage** it is possible to record a test series of intensity and dose. In addition, the minimum,

maximum and average intensity is retained during measuring activity. The integrated real-time clock in the UV-Meter ensures **precise timed sampling** of measured results. The docking station has a **RS232-interface for analysis of measured values via PC or PLC**.

### Advantages

- **cost saving** – a single UV meter for all applications
- **measuring accuracy** – the UV-Meter is traceable to PTB standards
- **process reliability** – constant control of UV-intensity ensures a consistent quality of UV curing and -drying
- **certificated** – reliable calibration with certificate

### Types of sensors

surface sensors	
spectrum	maximum intensity
UV-C (225 nm – 280 nm)	2 W/cm <sup>2</sup>
UV-B (265 nm – 320 nm)	2 W/cm <sup>2</sup>
UV-A (340 nm – 405 nm)	5 W/cm <sup>2</sup>
VIS (380 nm – 550 nm)	2 W/cm <sup>2</sup>
LED (265 nm – 485 nm)	30 W/cm <sup>2</sup>

light guide sensors	
Spektrum	Maximale Intensität
UV-C (225 nm – 280 nm)	2 W/cm <sup>2</sup>
UV-A (340 nm – 405 nm)	20 W/cm <sup>2</sup>
LED (265 nm – 485 nm)	30 W/cm <sup>2</sup>

quartz rod sensors		
spectrum	maximum intensity	lengths
UV-C (225 nm – 280 nm)	2 W/cm <sup>2</sup>	80, 146 & 260 mm
UV-A (340 nm – 405 nm)	5 W/cm <sup>2</sup>	80, 146 & 260 mm

Sensors with lower intensity range are also available.

