



## UV-Meter

Hand-held UV-Meter / UV-LED-Meter

### System-Features

- PTB-traceable results
- Wide range of sensors

### Optional

- Data saving
- Two-channel measuring
- Control and evaluation of measurement data via PC or PLC
- 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)**. The unit is available as a basic or high-end version. Different sensors cover **wavelengths from 230 nm to 550 nm - UVC, UVB, UVA and VIS**.

The UV-METER with its **wide range of interchangeable sensors** makes it suitable for different manufacturing processes. Sensors are available both for UV point sources and surface irradiation equipment.

### Practical handling

All features can be selected via an eight-button touch panel. The UV-METER has automatic sensor recognition.

**Remote switching via a PLC** can activate measurement. The docking station of the highend version also recharges the batteries.

The data indicator can display various values (mW/cm<sup>2</sup>, W/cm<sup>2</sup> or W/m<sup>2</sup>). **Two-channel measuring** for different wavelength ranges can be recorded at the same time.

### Application ranges

- for UV curing of inks and coatings
- for UV 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
UVC (230 nm – 285 nm)	2 W/cm <sup>2</sup>
UVB (290 nm – 330 nm)	2 W/cm <sup>2</sup>
UVA (330 nm – 400 nm)	5 W/cm <sup>2</sup>
VIS (380 nm – 550 nm)	2 W/cm <sup>2</sup>
LED (265 nm – 485 nm)	20 W/cm <sup>2</sup>

light guide and quartz rod sensors	
spectrum	maximum intensity
UVC (230 nm – 285 nm)	2 W/cm <sup>2</sup>
light guide sensor for UVA (330 nm – 400 nm)	20 W/cm <sup>2</sup>
quartz rod sensor UVA (330 nm – 400 nm)	5 W/cm <sup>2</sup>
VIS (380 nm – 550 nm)	2 W/cm <sup>2</sup>
light guide sensor for LED (265 nm – 485 nm)	20 W/cm <sup>2</sup>

Sensors with lower intensity range are also available. The difference between the high-end and the basic version is that the basic sensor can be used only to measure single channels. The basic version has neither any data storage nor a docking station.

