



## UV-Meter

Hand-held UV-Meter / LED-Meter

### System-Features

- PTB-traceable results
- wide range of sensors

### Optional

- data saving
- two-channel measuring
- analysis via PC or PLC
- 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 ( $\text{mW}/\text{cm}^2$ ,  $\text{W}/\text{cm}^2$  or  $\text{W}/\text{m}^2$ ). **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**.

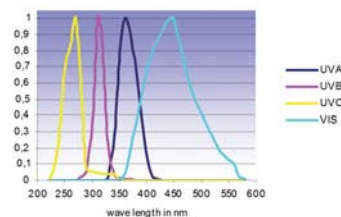
### Advantages

- **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 (230nm – 285nm)	2 $\text{W}/\text{cm}^2$
UVB (290nm – 330nm)	2 $\text{W}/\text{cm}^2$
UVA (330nm – 400nm)	5 $\text{W}/\text{cm}^2$
VIS (380nm – 550nm)	2 $\text{W}/\text{cm}^2$
LED	20 $\text{W}/\text{cm}^2$

light guide and quartz rod sensors	
spectrum	maximum intensity
UVC (230nm – 285nm)	2 $\text{W}/\text{cm}^2$
light guide sensor for UVA (330nm – 400nm)	20 $\text{W}/\text{cm}^2$
quartz rod sensor UVA (330nm – 400nm)	5 $\text{W}/\text{cm}^2$
VIS (380nm – 550nm)	2 $\text{W}/\text{cm}^2$



Relative sensitivity of the UV-Meter sensors

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.



Curing

Drying

Bonding

Potting

Measuring

























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