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

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UV-METER

The hand-held Hönle 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/cm², W/cm² or W/m²). **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/cm²
UVB (290 nm – 330 nm)	2 W/cm²
UVA (330 nm – 400 nm)	5 W/cm²
VIS (380 nm – 550 nm)	2 W/cm²
LED (265 nm – 485 nm)	20 W/cm²

light guide and quartz rod sensors	
spectrum	maximum intensity
UVC (230 nm – 285 nm)	2 W/cm²
light guide sensor for UVA (330 nm – 400 nm)	20 W/cm²
quartz rod sensor UVA (330 nm – 400 nm)	5 W/cm²
VIS (380 nm – 550 nm)	2 W/cm²
light guide sensor for LED (265 nm – 485 nm)	20 W/cm²

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.