



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 (mW/cm^2 , W/cm^2 or W/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**.

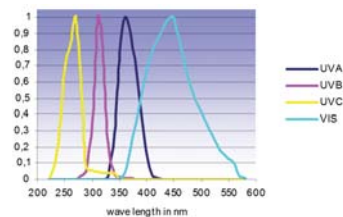
Advantages

- **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 W/cm^2
UVB (290nm – 330nm)	2 W/cm^2
UVA (330nm – 400nm)	5 W/cm^2
VIS (380nm – 550nm)	2 W/cm^2
LED	20 W/cm^2

light guide and quartz rod sensors	
Spectrum	Maximale Intensität
UVC (230nm – 285nm)	2 W/cm^2
light guide sensor for UVA (330nm – 400nm)	20 W/cm^2
quartz rod sensor UVA (330nm – 400nm)	5 W/cm^2
VIS (380nm – 550nm)	2 W/cm^2



Relative sensitivity of the UV-Meter sensors



Dr. Höhle AG UV Technology, Lochhamer Schlag 1, 82166 Gräfelfing/München, Germany
Phone: +49 89 85608-0, Fax: +49 89 85608-148. www.hoenle.de

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