



## UV-Meter

UV Meter / LED-UV Meter

### System-Features

- PTB-traceable results
- Wide range of sensors
- USB-port, also for battery charging
- LED-UV measuring head

### Advantages

- Handy
- Easy to operate
- Long battery life
- Compact sensor design

## UV-Meter

The Hönle UV-Meter with application-optimized sensors 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**. Special LED sensors have been developed for LED-UV systems.

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 special sensors are available.

### Practical handling

All modes of operation of this handy measuring unit, as well as the measured data, are shown on a clearly arranged display. 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 auto-matic sensor recognition.

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

### Application ranges

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

### 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 measured results are documented with precise timed sampling**. The measurements can be evaluated on the PC or with a PLC via USB connection.

### Advantages

- **cost saving** – a single measuring device 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 (230 nm – 285 nm)	2 W/cm <sup>2</sup>
UV-B (260 nm – 330 nm)	2 W/cm <sup>2</sup>
UV-A (340 nm – 410 nm)	5 W/cm <sup>2</sup>
VIS (360 nm – 550 nm)	10 W/cm <sup>2</sup>
LED (265 nm – 485 nm)	38 W/cm <sup>2</sup>

light guide sensors	
Spektrum	maximum intensity
UV-C (230 nm – 285 nm)	2 W/cm <sup>2</sup>
UV-A (340 nm – 410 nm)	20 W/cm <sup>2</sup>
LED (265 nm – 485 nm)	30 W/cm <sup>2</sup>

quartz rod sensors		
spectrum	maximum intensity	length
UV-C (230 nm – 285 nm)	2 W/cm <sup>2</sup>	80, 146 & 260 mm
UV-A (340 nm – 410 nm)	5 W/cm <sup>2</sup>	80, 146 & 260 mm

Sensors with lower intensity range are also available.