Spectral radiometer
200 - 440 nm
hight only 14,4 mm
USB

UVM 1000 is the thinnest stand-alone spectral UV radiometer worldwide. It combines scientific measurements with an easy to use and robust measuring instrument.
All **UVM 1000** measurements are traceable to national standards. In contrast to filtered UV broadband radiometers this is valid for measurements of different UV sources as well as for UV LEDs.
Measurements are possible without electrical cable or fiber optics- directly in production and belt facilities for all UV processes.

The UV spectrum is continuously measured. The **UVM 1000** calculates all data in real-time. All measurement results are given as peak irradiance, dose and irradiance profile. Of course, according to CIE spectral ranges. A comparison of different UV sources is possible. In addition **UVM 1000** can be used as tool for effect related optimizaiton due to preprogrammable photoinitator spectra.

included in delivery:
UVM 1000, shipping cas and certificate of calibration

Specifications

Spectral range:	200 - 440 nm
Spectral bandwidth:	2 nm
Irradiance range:	2-5000 mW/cm²
	25-35000 mW/cm² (Opt.)
Irradiance dose range:	1mJ/cm²-600 mJ/cm²
	25 mJ/cm²-42000 J/cm² (Opt.)
Calibration:	traceable to PTB/NIST
Cosinus correction:	yes, integrating sphere
Measurement time:	0 bis 120 s
Sampling Rate:	10 ms - 1000 ms
Display:	graphical, 128 x 64 px
Dimensions:	160 x 100 x 14,4 mm³ (L x W x H)
Temperate range:	70°C, operational
Weight:	375 g
Interface/memory:	USB / 50 measurements (Opt.)
Batteries:	3 x CR2032
	> 300 measurements
	> 2 years of storage

Functions

Spectral measurements:
Scope mode (displays spectra)

Radiometric measurements:
Spectra at peak irradiance
Peak irradiance (UVA, UVB, UVC, VIS)
Irradiance profile
Irradiance dose (UVA, UVB, UVC, VIS)

actinic measurements:
Photoinitiator spectra can be preprogrammed into **UVM 1000** optional.

internal memory:
Save up to 50 measurements with spectra, irradicance profile and dose; PC software

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