

UV-Probe Radiometer

- + UV intensity mW/cm^2
- + 2 sensitivity ranges
- + manual selection of sensitivity range
- + various probe-type sensors available*
- + USB ComPort (option)
- + re-chargeable accu-cells
- + auto off



The UV-Probe Radiometer is a high quality UV measuring instrument. It is used for the measurement of the intensity of UV light.

The probe-type sensor is connected with the hand unit by a 2 mtr. (80") flexible cable. Upon special request, further probe-type sensors are available.

All measurements are expressed in mW/cm^2 in order to compare light sources or to check uniformity of the light emission.

Typical application fields are the control of units for the exposure of diazo, polymer, chromaline and daylight films in the graphic arts industry, suntan equipment, sterilisation units and other fields of photo biology.

Optional feature:

As an option, this meter is available with USB ComPort to connect to a PC and transfer data.

The UV-Probe Radiometer is available in various different measuring ranges:

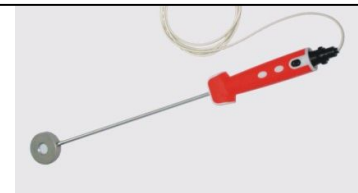
84.1.1.	UV-Probe Radiometer Diazo	350 – 460 nm
84.1.2.	UV-Probe Radiometer UV-A	315 – 400 nm
84.1.2.2.	UV-Probe Radiometer Special	380 – 420 nm
84.1.3.	UV-Probe Radiometer UV-B	280 – 315 nm
84.1.4.	UV-Probe Radiometer UV-C	230 – 280 nm
84.1.5.	UV-Probe Radiometer Full UV	230 – 410 nm
84.1.6.	UV-Probe Radiometer UV-V	395 – 445 nm

The display readings are fictitiously. The basic setting is done by means of a potentiometer.

Technical Data:

Max. Power input :	sensor input 20.000W/cm ²
Wavelength:	380 – 420 nm
Temperature:	0 - 45 C
Display:	4 Digits
Range :	10 $\mu mW/cm^2$ – 20,00 mW/cm^2
Range :	10 mW/cm^2 – 20,00 W/cm^2
Weight:	approx. 500 grams (8 ounce)
Battery:	4 x 1.2 Volt AA accu cells
Dimensions:	210 mm x 95 mm x 13 mm (5.5" x 2.75" x 0.5")
Sensor cable:	2 meter
Sensor \varnothing	43 mm x 10 mm (1.6" x 0.4")
Base Accuracy:	$\pm 5 \%$

Sensor with rigid rod
available upon request



The probe-type sensor of the UV-Meter can withstand max. 110° C / 213° F for up to 10 seconds. The temperature of the housing should not exceed 45° C.

Calibration:

In order to keep its full function and precision it is recommended to have re-calibration done once per year. Re-calibration will also be necessary after change of battery. PTB traceable calibration

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