

# THE WIDE RANGE OF UV - IR TECHNOLOGY



## UV-Meter Black x10 Series

- + **UV intensity mW/cm<sup>2</sup>**
- + **big 4 digit display**
- + **2 channel x1/x10**
- + **probe type sensor**



The UV-Meter Black x10 is a high quality UV measuring instrument.

All measurements are expressed in mW/cm<sup>2</sup> 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.

The UV-Meter Black x10 is available in five different measuring ranges:  
(Please state upon order)

<b>6.4.1 UV-Meter Black x10 UV-V (Diazo)</b>	<b>350 – 460 nm</b>
<b>6.4.2 UV-Meter Black x10 UV-A</b>	<b>315 – 400 nm</b>
<b>6.4.3 UV-Meter Black x10 UV-B</b>	<b>280 – 315 nm</b>
<b>6.4.4 UV-Meter Black x10 UV-C</b>	<b>230 – 280 nm</b>
<b>6.4.5 UV-Meter Black x10 Full UV</b>	<b>230 – 410 nm</b>

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

### Technical Data:

Max. Power input :	sensor input 1000W/cm <sup>2</sup>
Wavelength:	315 – 410 nm UV-A (or other)
Temperature:	0 - 45 C
Display:	4 Digits
Range X 1 :	0 – 199,9 mW/cm <sup>2</sup>
Range X 10 :	0 - 1999 mW/cm <sup>2</sup>
Weight:	approx. 200 grams
Battery:	9 Volt Battery
Dimensions:	140 mm x 75 mm x 24 mm
Sensor cable:	1 meter
Sensor Ø	40 mm x 10 mm
Base Accuracy:	± 5 %

The probe-type sensor of the UV-Meter can withstand max. 110° C / 230° F for up to 10 seconds. The temperature of the housing should not exceed 45° C / 113° F.

### 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 acc. to DIN EN ISO / IEC 17025 with certificate.