

## UV-Meter White Line Series

For low UV-Intensity

- + UV Intensity  $\mu\text{W}/\text{cm}^2$  -  $\text{mW}/\text{cm}^2$
- + Data Hold Function
- + Memory Function
- + Normal/Auto Mode
- + 4 Digit Backlit LCD Display
- + Low Battery Indication



The UV-Meter White Line is a high quality UV measuring instrument for measuring low UV-intensity. It is used for the measurement of the intensity of UV light.

All measurements are expressed in  $\text{mW}/\text{cm}^2$  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.

The UV-Meter White Line is available in three different measuring ranges:  
(Please state upon order)

<b>6.3.2. UV-Meter White Line UV-A</b>	<b>315 – 400 nm</b>
<b>6.3.3.1. UV-Meter White Line UV-A + UV-B</b>	<b>280 – 400 nm</b>
<b>6.3.4. UV-Meter White Line UV-C</b>	<b>230 – 280 nm</b>

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

### Technical Data:

Max. Power input :	sensor input 120 $\text{mW}/\text{cm}^2$
Wavelength:	315 – 400 nm UV-A (or other)
Temperature:	0 - 50 °C / 32 – 122° F
Display:	4 Digits
Automatic Range :	1.0 $\mu\text{W}/\text{cm}^2$ – 9999 $\mu\text{W}/\text{cm}^2$ / 0.01 $\text{mW}/\text{cm}^2$ – 40,00 $\text{mW}/\text{cm}^2$
Weight:	approx. 200 grams
Battery:	9 Volt Battery
Dimensions:	140 mm x 49 mm x 29 mm (5.51 x 1.93 x 1.14 inch)
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 / 232° F for up to 10 seconds. The temperature of the housing should not exceed 45° C / 122° 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. Ongoing, PTB traceable calibration with certificate

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