

UV-Meter Silver Line Series LI

Low intensity

- + UV intensity mW/cm^2 / $\mu\text{W/cm}^2$
- + 2 channel x1/x10
- + auto off
- + 4 batteries for self-replacement

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

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.

Special feature:

In order to save battery energy, the UV-Meter Silver Line LI will turn off automatically after one minute.

The UV-Meter Silver Line LI is available as a standard in various different measuring ranges*:
(Please state upon order)

6.2.1.1 UV-Meter Silver Line LI Diazo	350 – 460 nm
6.2.2.1 UV-Meter Silver Line LI UV-A	315 – 410 nm
6.2.3.1 UV-Meter Silver Line LI UV-B	280 – 315 nm
6.2.4.1 UV-Meter Silver Line LI UV-C	230 – 280 nm
6.2.5.1 UV-Meter Silver Line LI Full UV	230 – 410 nm
6.2.6.1 UV-Meter Silver Line LI UV-V	395 – 445 nm

*further spectral ranges available upon request

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

Technical Data:

Max. Power input :	sensor input 200 mW/cm^2
Wavelength:	315 – 410 nm UV-A (or other)
Temperature:	0 - 45 C
Display:	2x16 Digits
Range X 1 :	1 – 19,990 $\mu\text{W/cm}^2$ (UV-C: 1 – 1,999 $\mu\text{W/cm}^2$)
Range X 10 :	10 – 199,900 $\mu\text{W/cm}^2$ (UV-C: 1 – 19,990 $\mu\text{W/cm}^2$)
Weight:	approx. 200 grams
Battery:	4 x 1.5 Volt Micro AAA
Power Consumption:	20 mA
Dimensions:	130 mm x 75 mm x 25 mm
Sensor cable:	2 meter
Sensor Ø	43 mm x 10 mm
Base Accuracy:	$\pm 5 \%$

The probe-type sensor of the UV-Meter can withstand max. 110°C / 132°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

*also available up to 20 W/cm^2 , display resolution in relation to maximum power input

*further spectral ranges available, upon request

