

## UV-C Meter low UV

- + UV intensity  $mW/cm^2$
- + low UV-C (172nm) (185 nm) (254 nm)
- + 2 channel
- + auto off



The UV-C Meter low UV is a high quality UV measuring instrument.

It is specially designed for the measurement of the intensity of UV light in the low UV-C area from 160 nm to 200, 240 or 320 nm. Three versions are available to measure the typical emission of low pressure UV-C lamps in the area of 254 nm, 185 nm or 172 nm.

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 sterilisation, disinfection, ozone generating units and other fields of photo biology.

### Special feature:

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

The UV-C Meter low UV is available in three different measuring ranges\*:  
(Please state upon order)

- |                      |              |
|----------------------|--------------|
| 44.1. UV-C Meter 240 | 160 – 240 nm |
| 44.2. UV-C Meter 320 | 160 – 320 nm |
| 44.3. UV-C Meter 200 | 160 – 200 nm |

\*further spectral ranges available upon request

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

### Technical Data:

Max. Power input :	sensor input 1000 $mW/cm^2$
Wavelength:	160 – 200 nm (240 nm) (320 nm) low UV-C
Temperature:	0 - 45 C
Display:	4 Digits
Range X 1 :	0 - 19,99 $mW/cm^2$
Range X 10 :	0 - 199,9 $mW/cm^2$
Weight:	approx. 200 grams
Battery:	3.7 Volt Lithium Battery
Dimensions:	140 mm x 70 mm x 13 mm
Sensor cable:	1 meter
Sensor	Ø 40 mm x 45 mm
Base Accuracy:	± 5 %

The UV sensor of the UV-C 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. Ongoing, PTB traceable calibration with certificate

Subject to change without prior notice © 2014-01

UV-DESIGN (Office)  
Triebstrasse 3  
63636 Brachtal  
GERMANY  
Tel.: +49 (0)6053 619824  
Fax: +49 (0)6053 619820

(Office & Workshop) UV-DESIGN  
Fabrikstrasse 12  
63636 Brachtal  
GERMANY  
Tel.: +49 (0)6053 8095431  
Fax: +49 (0)6053 8095433