UV-Meter Black Standard Series

+ UV intensity mW/cm²
+ 2 line LCD display
+ probe type sensor

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

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.

The UV-Meter Black Standard is available in various different measuring ranges*:
(Please state upon order)

6.1.1 UV-Meter Black Standard Diazo	**350 – 460 nm**
6.1.2 UV-Meter Black Standard UV-A	**315 – 400 nm**
6.1.3 UV-Meter Black Standard UV-B	**280 – 315 nm**
6.1.4 UV-Meter Black Standard UV-C	**230 – 280 nm**
6.1.5 UV-Meter Black Standard Full UV	**230 – 410 nm**
6.1.6 UV-Meter Black Standard 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 2000W/cm²
Wavelength:	315 – 400 nm UV-A (or other)
Temperature:	0 - 45 C
Display:	2x16 Digits
Range :	0 - 1999 mW/cm²
Weight:	approx. 200 grams
Battery:	3.7 Volt LiPo Accu, rechargeable
Dimensions:	140 mm x 75 mm x 24 mm
Sensor cable:	1 meter
Sensor ∅	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. Ongoing, PTB traceable calibration with certificate

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

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

www.uv-design.de *** mail: info@uv-design.de