

UVA/UVB measurement, Calibration under UVA

UV LIGHT METER

Model : YK-35UV

ISO-9001, CE, IEC1010



Lutron

LUTRON ELECTRONIC

The Art of Measurement

RS232/USB

UV LIGHT METER

Model : YK-35UV

FEATURES

* Professional, high quality UV meter.
* Ultra-violet irradiation measurement for UVA & UVB.
* UV detector spectrum from 260 nm to 390 nm.
* Two ranges : 2 mW/cm ² , 20 mW/cm ² .
* Exclusive UV sensor structure.
* Sensor with cosine correction filter.
* Build Zero button.
* Microprocessor circuit provides high reliability and durability.
* Separate UV LIGHT probe allows user to measure the UV light at an optimum position.
* LCD display, easy readout.
* RS-232/USB computer interface.
* DC 9V battery power supply.
* Build in DC 9V power adapter input socket.
* Heavy duty & compact housing case.

APPLICATIONS

Industrial
* Monitoring blue light radiation hazards in welding.
* UV sterilization
* Graphic arts.
* Photochemical matching.
* UV EPROM erasure.
* Photoresist exposure.
* Curing of inks, adhesives and coatings.
Laboratory
* Weathering " degradation studies."
* UV sterilization
* Virology.
* Microbial genetics.
* DNA research. * Biologic hoods.
* General laboratory use.

SPECIFICATIONS

Display	LCD size : 51 mm x 37 mm. Maximum indication 1999 counts.
Measurement ranges & resolution	Range 1 : 2 mW/cm ² : 1.999 mW/cm ² x 0.001 mW/cm ² Range 2 : 20 mW/cm ² : 19.99 mW/cm ² x 0.01 mW/cm ²

UV sensor spectrum	Band pass 260 nm to 390 nm.
Accuracy	± (4 % FS + 2 dgt). FS : full scale * Calibration is executed under the UVA light & and compare with the standard UVA light meter. * Spec. tested under the environment RF Field Strength less than 3 V/M & frequency less than the 30 MHz only.
Sensor structure	The exclusive UV photo sensor with the cosine correction filter.
Buttons	Power button, Hold button, REC button, Range button, Zero button.
Sample Time	Approx. 1 sec.
Circuitry	Microprocessor circuit.
Over Range indication	Indication of "  ".
Weight	383 g / 0.55 LB (including battery)
Data Output	RS 232/USB PC serial interface.
Operating Temperature	0 to 50 °C .
Operating Humidity	Less than 85% R.H.
Power Supply	DC 9V battery, 006P , MN 1604 (PP3) or equivalent. DC 9V adapter input. @ AC/DC power adapter is optional.
Power Consumption	Approx. DC 6 mA.
Size	Main instrument : 200x68x30 mm (7.9x2.7x1.2 inch). Sensor probe head : 45 mm dia x 32 mm. Sensor probe handle : 125 x 24 mm dia.
Accessories Included	Instruction manual..... 1 PC. UV sensor probe..... 1 PC.
Optional Accessories	AC to DC 9V adapter. RS232 cable, UPCB-02. USB cable, USB-01. Data Acquisition software, SW-U801-WIN. Soft carrying case, CA-05A. Hard carrying case, CA-06.

* Appearance and specifications listed in this brochure are subject to change without notice.

1109-YK35UV