

UVA/UVB measurement, Calibration under UVA

UV LIGHT METER

Model : YK-35UV

ISO-9001, CE, IEC1010



LUTRON ELECTRONIC

The Art of Measurement

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	<i>Range 1 : 2 mW/cm² :</i> 1.999 mW/cm ² x 0.001 mW/cm ² <i>Range 2 : 20 mW/cm² :</i> 19.99 mW/cm ² x 0.01 mW/cm ²

UV sensor spectrum	Band pass 260 nm to 390 nm.
Accuracy	$\pm (4 \% \text{ FS } + 2 \text{ dgt })$. FS : full scale <i>* Calibration is executed under the UVA light & and compare with the standard UVA light meter.</i> <i>* Spec. tested under the environment RF Field Strength less than 3 V/M & frequency less than the 30 MHz only.</i>
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. <i>@ AC/DC power adapter is optional.</i>
Power Consumption	Approx. DC 6 mA.
Size	<i>Main instrument :</i> 200x68x30 mm (7.9x2.7x1.2 inch). <i>Sensor probe head :</i> 45 mm dia x 32 mm. <i>Sensor probe handle :</i> 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.

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