UVA/UVB measurement, Calibration under UVA

PEN UV LIGHT METER

Model : PUV-360   *ISO-9001, CE, IEC1010*

LUTRON ELECTRONIC

The Art of Measurement

PEN UV LIGHT METER
Model : PUV-360

FEATURES

* Pen type, high quality UV meter.
* Ultra-violet irradiation measurement for UVA & UVB.
* UV detector spectrum from 260 nm to 390 nm.
* Two ranges : 2,000 uW/cm^2, 20 mW/cm^2, auto range.
* Exclusive UV sensor structure.
* Sensor with cosine correction filter.
* Build Zero button.
* Microprocessor circuit provides high reliability and durability.
* All in one, meter with sensor probe, convenient for user operation.
* LCD display, easy readout.
* 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 : 28 mm x 19 mm.
UV sensor spectrum	Band pass 260 nm to 390 nm.

Measurement ranges & resolution	*Range 1 : 2,000 uW/cm^2 :* 1999 uW/cm^2 x 1 uW/cm^2 *Range 2 : 20 mW/cm^2 :* 19.99 mW/cm^2 x 0.01 mW/cm^2 * Auto range
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.
Circuit	Custom one-chip of microprocessor LSI circuit.
Buttons	Power button, Hold button, REC (record) button.
Sample Time	Approx. 1 sec.
Over Range indication	Indication of " - - - - ".
Power off	Auto shut off saves battery life.
Weight	190 g/ 0.2 LB.
Operating Temperature	0 to 50 ℃.
Operating Humidity	Less than 85% R.H.
Power Supply	DC 1.5 V battery (UM4/AAA) x 4 PCs.
Power Consumption	Approx. DC 5.5 mA.
Weight	190 g/ 0.2 LB.
Dimension	210 x 49 x 40 mm (8.3" x 1.9" x 1.6")
Accessories Included	Instruction manual............................. 1 PC Light Sensor protection cover..... 1 PC
Optional Accessory	Soft carrying case with sash (210 x 80 x 50 mm), Model : CA-52A

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