

*UVA/UVB measurement, Calibration under UVA*

# **PEN UV LIGHT METER**

**Model : PUV-360**

*ISO-9001, CE, IEC1010*



**Lutron**

**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 <sup>2</sup> , 20 mW/cm <sup>2</sup> , 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

<b>Industrial :</b>
* Monitoring blue light radiation hazards in welding.
* UV sterilization
* Graphic arts.
* Photochemical matching.
* UV EPROM erasure.
* Photoresist exposure.
* Curing of inks, adhesives and coatings.
<b>Laboratory :</b>
* 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	<i>Range 1 : 2,000 uW/cm<sup>2</sup> : 1999 uW/cm<sup>2</sup> x 1 uW/cm<sup>2</sup> Range 2 : 20 mW/cm<sup>2</sup> : 19.99 mW/cm<sup>2</sup> x 0.01 mW/cm<sup>2</sup> * Auto range</i>
Accuracy	$\pm ( 4 \% FS + 2 \text{ dgt } )$ . FS : full scale <i>* Calibration is executed under the UVA light &amp; and compare with the standard UVA light meter. * Spec. tested under the environment RF Field Strength less than 3 V/M &amp; frequency less than the 30 MHz only.</i>
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 °C.
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	Instruction manual..... 1 PC
Included	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.

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