

Pocket

# UV LIGHT METER

Model : UV-340A

ISO-9001, CE, IEC1010



**Lutron**

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*The Art of Measurement*

# UV LIGHT METER

Model : UV-340A

FEATURES
* Professional, high quality UV meter.
* Ultra-violet irradiation measurement for UVA & UVB.
* UV detector spectrum from 290 nm to 390 nm.
* Hi, Lo measurement range. 19990 and 1999 $\mu\text{W}/\text{cm}^2$ .
* 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.
* Heavy duty & compact housing case.

APPLICATIONS
<b><i>Industrial</i></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><i>Laboratory</i></b>
* Weathering " degradation studies."
* UV sterilization
* Virology.
* Microbial genetics.
* DNA research. * Biologic hoods.
* General laboratory use.

SPECIFICATIONS	
Display	LCD size : 18 mm x 45 mm. Maximum indication 1999.
Measurement ranges & resolution	<i>2 ranges : Hi &amp; Lo range</i> Lo range : 1999 $\mu\text{W}/\text{cm}^2$ x 1 $\mu\text{W}/\text{cm}^2$ Hi range : 19990 $\mu\text{W}/\text{cm}^2$ x 10 $\mu\text{W}/\text{cm}^2$ <i>* 1000 <math>\mu\text{W}/\text{cm}^2</math> = 1 <math>\text{mW}/\text{cm}^2</math></i>
UV sensor spectrum	Band pass 290 nm to 390 nm.
Accuracy	$\pm$ ( 4 % FS + 2 dgt ) FS : full scale <i>* Calibration is executed under the UVA light and and compare with the standard UVA light meter.</i> <i>* 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.
Buttons. Switch	Power button, Zero button, Range switch
Sample Time	Approx. 1 sec.
Sensor Structure	Microprocessor circuit.
Over Range indication	Indication of " - - - - ".
Weight	251 g / 0.55 LB (including battery)
Operating Temperature	0 to 50 °C.
Operating Humidity	Less than 85% R.H.
Power Supply	DC 9V battery, 006P , MN 1604 (PP3) or equivalent.
Power Consumption	Approx. DC 6 mA.
Size	Main instrument : 1:131 x 70 x 25 mm. 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 Acc.	Soft carrying case, CA-52A, CA-03.

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