

UVA/UVB measurement, Calibration under UVA

UV LIGHT METER

Model : UV-340A

ISO-9001, CE, IEC1010



LUTRON ELECTRONIC

The Art of Measurement

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FEATURES	
* Professional, high quality UV meter.	
* Ultra-violet irradiation measurement for UVA & UVB.	
* UV detector spectrum from 260 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	
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 : 18 mm x 45 mm. Maximum indication 1999.
Measurement ranges & resolution	2 ranges : Hi & Lo range 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 $\mu\text{W}/\text{cm}^2$ * 1000 $\mu\text{W}/\text{cm}^2$ = 1 mW/cm^2
UV sensor spectrum	Band pass 290 nm to 390 nm.
Accuracy	\pm (4 % FS + 2 dgt) FS : full scale * Calibration is executed under the UVA light and 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. 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 : 131 x 70 x 25 mm. Sensor probe head : 45 mm dia x 32 mm. Sensor probe handle : 125 x 24 mm dia.
Accessories	Instruction manual..... 1 PC.
Included	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.

1509-UV340A