

Professional, RS-232/USB computer interface

UVC LIGHT METER

Model : UVC-254A

ISO-9001, CE, IEC1010



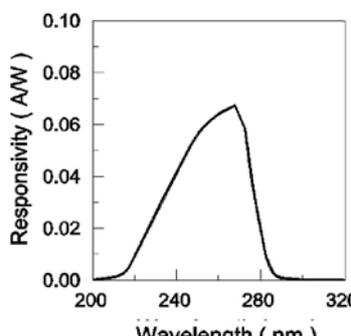
LUTRON ELECTRONIC

The Art of Measurement

UVC LIGHT METER

Model : UVC-254A

FEATURES
* Short wave 254 nm ultra-violet irradiance measurement.
* Professional, high quality UVC meter.
* Wide measurement range, 199.9 uW/cm ² , 1.999 mW/cm ² and 19.99 mW/cm ² .
* Microprocessor circuit assures maximum possible accuracy, provided special functions and features.
* Exclusive UVC sensor with correction filter.
* Super large LCD display, easy readout.
* Heavy duty & compact housing case.
* Records Maximum, Minimum with recall.
* Data hold.
* Auto power off saves battery life.
* Operates from 9V battery.
* RS232 PC serial interface.
* Zero adjustment by push button.

GENERAL SPECIFICATIONS			
Circuit	Custom one-chip microprocessor LSI circuit.		Size Main instrument: 180 x 72 x 32 mm (7.1 x 2.8 x 1.3 inch).
Display	13 mm (0.5") large LCD display. Dual function display.		
Spectral response	Point	254 nm.	Sensor probe: 38 mm DIA. x 25 mm.
range of sensor	Band pass	254 nm with narrow. * Refer attached spectrum.	
Measurement & ranges	199.9 uW/cm ² x 0.1 uW/cm ² 1.999 mW/cm ² x 0.001 mW/cm ² 19.99 mW/cm ² x 0.01 mW/cm ²		Accessories Instruction manual..... 1 PC. UVC sensor probe..... 1 PC. Hard carrying case..... 1 PC.
Linearity	± 1%.		
Sensor	The exclusive photo diode & UVC color correction filter.		Optional accessories * Data Acquisition software,SW-U801-WIN * Excel data Acquisition software,SW-E802 * RS232 cable.....UPCB-01 * USB cable.....USB-01
Memory Recall	Records Maximum & Minimum reading with recall.		
Zero Adj.	By push button.		Applications No. UV-C has been used for over 100 years in various applications to kill germs on surfaces, in the air and in the water. UV-C has been proven to kill up to 99.9% of germs. Many hospitals use UV-C to sanitize. inks, adhesives and coatings.
Sample Time	Approx. 0.4 sec.		
Power off	Manual off by push button, or auto shut off after 10 minutes approximately		
Over Range Indication	Indication of " - - - "		
Data output	RS 232/USB PC computer interface. * Connect the optional RS232 cable UPCB-02 will get the RS232 plug. * Connect the optional USB cable USB-01 will get the USB plug.		UVC sensor spectrum 
Operating Temperature and Humidity	0 °C to 50 °C (32 °F to 122 °F). Max. 80% RH.		
Power Supply	DC 9V 006P, MN1604 (PP3) or equivalent. (Alkaline or Heavy duty type).		
Power Current	Approx. DC 5.3 mA.		
Weight	355 g/0.77 LB (included batteries)		

ELECTRICAL SPECIFICATIONS (23 ± 5 °C)		
Range	Resolution	Accuracy
199.9 uW/cm ²	0.1 uW/cm ²	± (2 % FS + 2 dgt) FS : full scale
1.999 mW/cm ²	0.001 mW/cm ²	
19.99 mW/cm ²	0.01 mW/cm ²	

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