

Professional, RS-232/USB computer interface

UVA LIGHT METER

Model : UVA-365A

ISO-9001, CE, IEC1010



LUTRON ELECTRONIC

The Art of Measurement

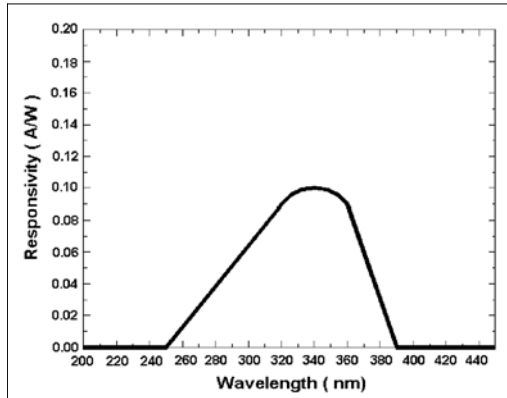
UVA LIGHT METER

Model : UVA-365A

FEATURES	
* Long wave 365 nm ultra-violet irradiance measurement.	
* Professional, high quality UVA meter.	
* Wide measurement range, 199.9 $\mu\text{W}/\text{cm}^2$, 1.999 mW/cm^2 and 19.99 mW/cm^2 .	
* Microprocessor circuit assures maximum possible accuracy, provided special functions and features.	
* Exclusive UVA 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.		Weight	355 g/0.77 LB (included batteries)	
Display	<u>13 mm (0.5") large LCD display.</u> Dual function display.		Size	Main instrument: 180 x 72 x 32 mm (7.1 x 2.8 x 1.3 inch).	
Spectral response range of sensor	Point	Around 365 nm.			Sensor probe: 38 mm DIA. x 25 mm.
	Band pass	260 - 390 nm. * 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 included	Instruction manual..... 1 PC. UVA sensor probe.....1 PC. Hard carrying case.....1 PC.	
			Optional accessories	* Data Acquisition software,SW-U801-WIN * Excel data Acquisition software,SW-E802 * RS232 cable.....UPCB-01 * USB cable..... USB-01	
Sensor	The exclusive photo diode & UVA color correction filter.		Applications	Monitoring blue light radiation hazards in welding, UV sterilization , Graphic arts, Photochemical matching, UV EPROM erasure, Photoresist exposure, Curing of inks, adhesives and coatings.	
Memory Recall	Records Maximum & Minimum reading with recall.				
Zero Adj.	By push button.				
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.				
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.				

UVA sensor spectrum



Wavelength (nm)	Responsivity (AW)
200	0.00
220	0.00
240	0.00
260	0.00
280	0.02
300	0.04
320	0.07
340	0.095
365	0.10
380	0.095
400	0.00
420	0.00
440	0.00

ELECTRICAL SPECIFICATIONS (23± 5 °C)		
Range	Resolution	Accuracy
199.9 $\mu\text{W}/\text{cm}^2$	0.1 $\mu\text{W}/\text{cm}^2$	± (3 % 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.

230214-UVA365A