

Tehran, Tehransar

Professional, RS-232/USB computer interface



# UVA LIGHT METER

Model : UVA-365A

ISO-9001, CE, IEC1010



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*The Art of Measurement*

LUTRON ELECTRONIC

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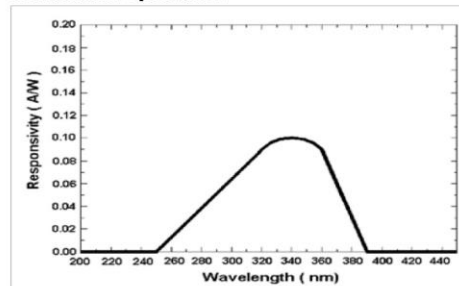
## FEATURES

- \* 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  $\text{mW}/\text{cm}^2$  and 19.99  $\text{mW}/\text{cm}^2$ .
- \* 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	13 mm ( 0.5" ) large LCD display. Dual function display.	Size	Main instrument: 180 x 72 x 32 mm ( 7.1 x 2.8 x 1.3 inch ). Sensor probe: 38 mm DIA. x 25 mm.
Spectral response range of sensor	Point            Around 365 nm. Band pass       260 - 390 nm. * Refer attached spectrum.	Accessories included	Instruction manual..... 1 PC. UVA sensor probe.....1 PC. Hard carrying case.....1 PC.
Measurement & ranges	199.9 $\mu\text{W}/\text{cm}^2$ x 0.1 $\mu\text{W}/\text{cm}^2$ 1.999 $\text{mW}/\text{cm}^2$ x 0.001 $\text{mW}/\text{cm}^2$ 19.99 $\text{mW}/\text{cm}^2$ x 0.01 $\text{mW}/\text{cm}^2$	Optional accessories	* Data Acquisition software, .....SW-U801-WIN * Excel data Acquisition software, .....SW-E802 * RS232 cable.....UPCB-01 * USB cable.....USB-01
Linearity	$\pm 1\%$ .	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.
Sensor	The exclusive photo diode & UVA color correction filter.		
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 $^{\circ}\text{C}$ to 50 $^{\circ}\text{C}$ ( 32 $^{\circ}\text{F}$ to 122 $^{\circ}\text{F}$ ). 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



## ELECTRICAL SPECIFICATIONS (23 $\pm$ 5 $^{\circ}\text{C}$ )

Range	Resolution	Accuracy
199.9 $\mu\text{W}/\text{cm}^2$	0.1 $\mu\text{W}/\text{cm}^2$	$\pm ( 3 \% \text{ FS} + 2 \text{ dgt} )$ FS : full scale
1.999 $\text{mW}/\text{cm}^2$	0.001 $\text{mW}/\text{cm}^2$	
19.99 $\text{mW}/\text{cm}^2$	0.01 $\text{mW}/\text{cm}^2$	

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

2110-UVA365A

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