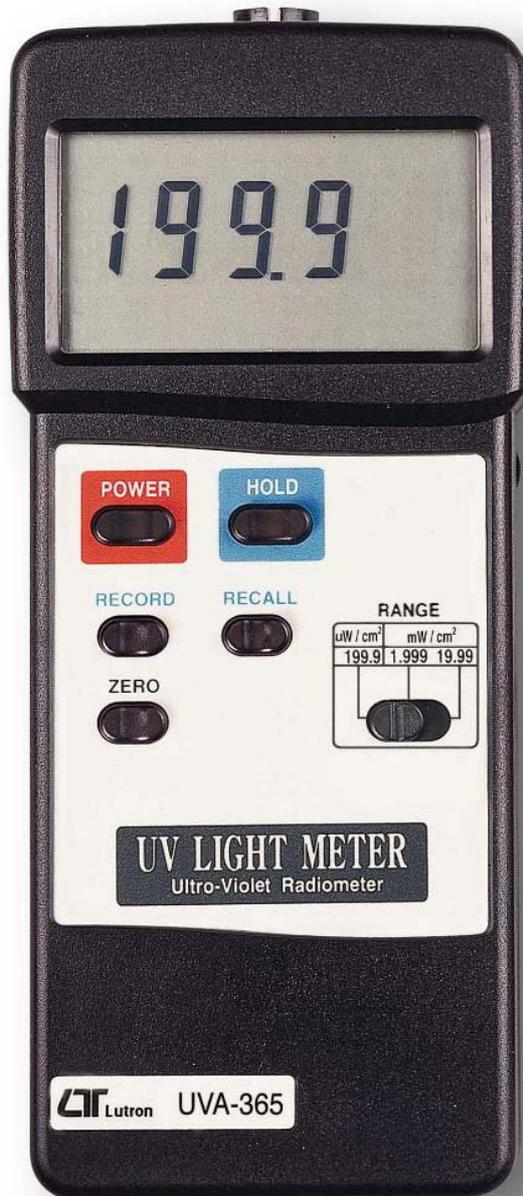


Professional, RS-232/USB computer interface

# UVA LIGHT METER

Model : UVA-365

ISO-9001, CE, IEC1010



**Lutron**

**LUTRON ELECTRONIC**

**The Art of Measurement**

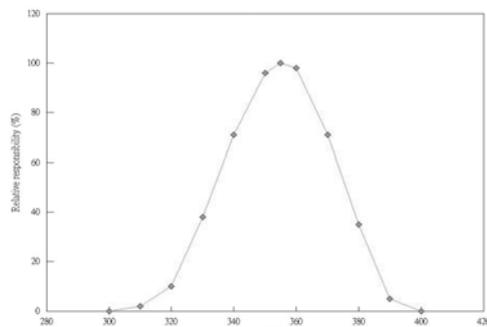
# UVA LIGHT METER

## Model : UVA-365

| 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.<br>Dual function display.  | Size                 | Main instrument:<br>185 x 72 x 32 mm<br>( 7.1 x 2.8 x 1.3 inch ).<br>Sensor probe:<br>38 mm DIA. x 25 mm.  |
| Spectral response range of sensor  | Point 365 nm.<br>Band pass 320 - 390 nm.   | Accessories included | Instruction manual..... 1 PC.<br>UVA sensor probe.....1 PC.<br>Hard carrying case.....1 PC.  |
| Measurement & ranges               | 199.9 $\mu\text{W}/\text{cm}^2$ x 0.1 $\mu\text{W}/\text{cm}^2$<br>1.999 $\text{mW}/\text{cm}^2$ x 0.001 $\text{mW}/\text{cm}^2$<br>19.99 $\text{mW}/\text{cm}^2$ x 0.01 $\text{mW}/\text{cm}^2$ | Optional accessories | * Data Acquisition software,<br>.....SW-U801-WIN<br>* Excel data Acquisition software,<br>.....SW-E802<br>* RS232 cable.....UPCB-01<br>* 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.<br>* Connect the optional RS232 cable UPCB-02 will get the RS232 plug.<br>* 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 $^{\circ}\text{F}$ ).<br>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 $\mu\text{W}/\text{cm}^2$ | $\pm ( 2 \% \text{ FS } + 2 \text{ dgt} )$<br>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.