

UV LIGHT METER

Model : YK-35UV

ISO-9001, CE, IEC1010



Lutron

LUTRON ELECTRONIC

The Art of Measurement

UV LIGHT METER

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| FEATURES | |
|--|--|
| * Professional, high quality UV meter. | * LCD display, easy readout. |
| * Ultra-violet irradiance measurement for UVA, UVB or UVA. | * Zero adjustment by push button. |
| * Calibration is executed under the UVA light and compare and make traceable with the standard UVA light meter. | * Microprocessor circuit assures maximum possible accuracy, provided special functions and features. |
| | * Exclusive UV sensor with correction filter. |
| * UV detector spectrum from 200 nm to 380 nm. | * Records Maximum, Minimum with recall. |
| * Two ranges : 1999 $\mu\text{W}/\text{cm}^2$ and 19990 $\mu\text{W}/\text{cm}^2$ (1.999 mW/cm^2 and 19.99 mW/cm^2). | * Data hold. |
| * Exclusive UV sensor with correction filter. | * RS 232 PC serial interface. |
| * Separate UV light probe allows user to measure the UV light at an optimum position. | * DC 9V battery power supply. |
| | * Built-in low battery indicator. |
| | * Auto power off saves battery life. |
| | * Heavy duty & compact housing case. |

| APPLICATIONS | |
|---|--------------------------------------|
| <i>Industrial:</i> | <i>Laboratory:</i> |
| * Monitoring blue light radiation hazards in welding. | * Weathering " degradation studies." |
| * UV sterilization | * UV sterilization |
| * Graphic arts. | * Virology. |
| * Photochemical matching. | * Microbial genetics. |
| * UV EPROM erasure. | * DNA research. |
| * Photoresist exposure. | * Biologic hoods. |
| * Curing of inks, adhesives and coatings. | * General laboratory use. |

| GENERAL SPECIFICATIONS | | | |
|---------------------------------|---|--------------------|---|
| Display | LCD, 38 mm x 52 mm. | Power Supply | DC 9V 006P, MN1604 (PP3) or equivalent. |
| Measurement ranges & resolution | 1999 $\mu\text{W}/\text{cm}^2$ x 1 $\mu\text{W}/\text{cm}^2$ | Power Consumption | Approx. DC 8 mA. |
| | 19990 $\mu\text{W}/\text{cm}^2$ x 10 $\mu\text{W}/\text{cm}^2$ | Size | <i>Main instrument :</i> 200 x 68 x 30 mm (7.9 x 2.7 x 1.2 inch). |
| UV sensor spectrum | Band pass 200 - 380 nm. | | <i>Sensor probe head :</i> 46 mm dia, x 31mm. |
| Accuracy | $\pm (4 \% \text{ FS } + 2 \text{ dgt })$ FS : full scale * Calibration is executed under the UVA light & and compare with the standard UVA light meter. | | <i>Sensor probe handle :</i> 25 mm dia. x 126 mm. |
| Sensor structure | The exclusive UV sensor and COS correction filter. | Accessories | Instruction manual..... 1 PC. |
| Power off | Manual off by push button, or Auto shut off after 10 minutes. | Included | UV sensor probe..... 1 PC. |
| Zero Adj. | By push button. | UV Sensor Spectrum | |
| Data Output | RS 232 PC serial interface. | | |
| Memory Recall | Records Maximum & Minimum reading with recall. | | |
| Sample Time | Approx. 1 sec. | | |
| Over Range Indication | Indication of " 1 ". | | |
| Weight | 220 g/0.48 LB. * <i>main instrument.</i> | | |
| Operating Temperature | 0 to 50 °C (32 to 122 °F). | | |
| Operating Humidity | Max. 80% RH. | | |

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