

Professional, RS-232/USB computer interface

UVC LIGHT METER

Model : UVC-254

ISO-9001, CE, IEC1010



LUTRON ELECTRONIC

The Art of Measurement

UVC LIGHT METER

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| 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: 185 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. | | Sensor probe: 38 mm DIA. x 25 mm. |
| Spectral response range of sensor | Point 254 nm. Band pass 254 nm with narrow. | Accessories | Instruction manual..... 1 PC. UVC sensor probe..... 1 PC. Hard carrying case..... 1 PC. |
| 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 | Optional accessories | * Data Acquisition software,SW-U801-WIN * Excel data Acquisition software,SW-E802 * RS232 cable.....UPCB-01 * USB cable.....USB-01 |
| Linearity | ± 1%. | | |
| Sensor | The exclusive photo diode & UVC color correction filter. | 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. |
| 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 " - - - " | UVC sensor spectrum | |
| 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. | | |
| 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 | |

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1209-UVC254

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