

UVC LIGHT METER

Model : UVC-254A

1. FEATURES

* Short wave 254 nm ultra-violet irradiance measurement.
* Professional, high quality UVC light meter.
* Wide measurement range, 199 $\mu\text{W}/\text{cm}^2$, 1.99 mW/cm^2 and mW/cm^2 .
* Microprocessor circuit assures maximum possible accuracy, provided special functions and features.
* Exclusive UV 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.
* 006P dc 9V battery power supply.
* RS 232 PC serial interface.
* Zero adjustment by push button.



2. SPECIFICATIONS

2-1 General Specifications

Circuit	Custom one-chip microprocessor LSI circuit.
Display	13 mm (0.5") Super large LCD display with contrast adjustment for best viewing angle.
Spectral response range of sensor	Point 254 nm.
	Band pass 254 nm with narrow.
Measurement & ranges	199 $\mu\text{W}/\text{cm}^2$ x 1 $\mu\text{W}/\text{cm}^2$ 1.99 mW/cm^2 x 0.01 mW/cm^2 19.9 mW/cm^2 x 0.1 mW/cm^2
Linearity	1%.
Sensor	The exclusive photo diode & UV 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.
Data Output	RS 232 PC serial interface.
Operating Temperature	0 to 50 $^{\circ}\text{C}$ (32 to 122 $^{\circ}\text{F}$).
Operating Humidity	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	339 g/0.75 LB (included batteries).
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.
Accessories	Instruction manual..... 1 PC. UVC sensor probe..... 1 PC. Hard carrying case..... 1 PC.

2-2 Electrical Specifications (23 \pm 5 $^{\circ}\text{C}$)

Range	Resolution	Accuracy
199 $\mu\text{W}/\text{cm}^2$	1 $\mu\text{W}/\text{cm}^2$	± (2 % + 2 dgt) @ full scale
1.99 mW/cm^2	0.01 mW/cm^2	
19.9 mW/cm^2	0.1 mW/cm^2	