UVC LIGHT METER

Model : UVC-254A   **ISO-9001, CE, IEC1010**

www.yalab.com.tw   *02-2389-0101*

RANGE		
uW / cm²	mW / cm²	
199.9	1.999	19.99

UV LIGHT METER
Ultra-Violet Radiometer

Lutron **UVC-254A**

SGS UKAS QUALITY MANAGEMENT 005

Lutron

www.YaLAB.com.tw

The Art of Measurement

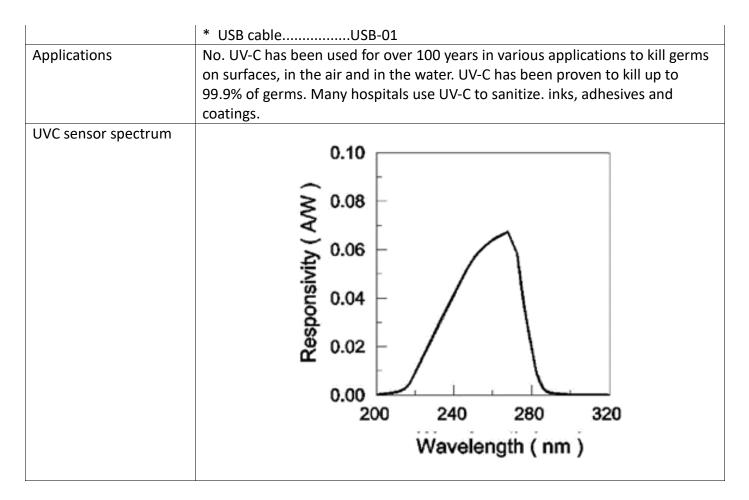# UVC LIGHT METER

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FEATURE

* 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 SPECIFICATION

Circuit	Custom one-chip microprocessor LSI circuit.	
Display	13 mm (0.5") large LCD display.	
	Dual function display.	
Spectral response range of sensor	Point	254 nm.
	Band pass	254 nm with narrow. * Refer attached spectrum.
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	
Linearity	± 1%.	
Sensor	The exclusive photo diode & UVC 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 ℃ to 50 ℃ (32 ℉ to 122 ℉).	
	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)	
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.	
Optional accessories	*Data Acquisition software, ... SW-U801-WIN	
	*Excel data Acquisition software, ... SW-E802	
	*RS232 cable. UPCB-01	

	* USB cable.................USB-01
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.
UVC sensor spectrum	

ELECTRICAL SPECIFICATIONS (23± 5 ℃)

Range	Resolution	Accuracy
199.9 uW/cm^2	0.1 uW/cm^2	± (6 % FS + 2 dgt)
1.999 mW/cm^2	0.001 mW/cm^2	FS : full scale
19.99 mW/cm^2	0.01 mW/cm^2	

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

UVC-254A+1810