

# LIGHT METER

*Model : LX-1102*

*ISO-9001, CE, IEC1010*



**Lutron**

**LUTRON ELECTRONIC**

*The Art of Measurement*

# LIGHT METER

Model : LX-1102

FEATURES	
* 5 ranges : 40.00/400.0/4,000/40,000/400,000 Lux, wide measuring range.	* Large LCD display with bargraph and indicator.
* High resolution : 0.01 Lux to 100 Lux, 0.01 Ft-cd to 10 Ft-cd	* Water resistance front panel
* Sensor used the exclusive photo diode & color correction filter, spectrum meet C.I.E. photopic.	* Use the rubber key for the function select.
* Sensor cosine correction factor meet standard.	* LSI circuit provides high reliability and durability.
* Separate Light Sensor allows user to measure the light at an optimum position.	* Zero adjusting button.
* Lux & Foot-candle unit selection.	* Data hold.
	* Memory function to display the max. & min. display value with Recall.
	* Auto power auto off or manual power off.
	* Compact size and excellent operation.
	* Built-in low battery indicator.
	* RS-232 computer serial data output.

GENERAL SPECIFICATIONS			
Display	Large LCD display. LCD size 52 x 38 mm, 4 digits. with bargraph indicator.	Operating Temperature	0 to 50 °C ( 32 to 122 °F ).
Measurement & ranges	5 ranges : 40.00/400.0 Lux, 4,000/40,000/400,000 Lux,	Operating Humidity	Max. 80% RH.
Unit	Lux, Foot-candle ( Ft-cd ).	Power Supply	DC 9V battery. 006P, MN1604 ( PP3 ) or equivalent.
Sensor	The exclusive photo diode & color correction filter, spectrum meet C.I.E. Cosine correction factor meet standard.	Power Consumption	Approx. DC 8 mA.
Zero Adjustment	External adjustment by pushing button. ( 40.00 Lux range only )	Weight	220 g/0.48 LB.
Peak Hold	To hold the peak display.	Dimension	<i>Main instrument :</i> 200 x 68 x 30 mm ( 7.9 x 2.7 x 1.2 inch ). <i>Sensor probe :</i> 82 x 55 x 7 mm ( 3.2 x 2.2 x 0.3 inch ).
Data Hold	To freeze the display value.	Accessories Included	Instruction Manual.....1 PC. Light Sensor with protection cover.....1 PC.
Memory	Save the max. & min. value with Recall.	Optional Accessories	RS232 cable, UPCB-02 USB cable, USB-01 Application Software, SW-U801-WIN Hard carrying case, CA-06 Soft carrying case, CA-05A
Over and Under range Indication	Over range Indicator : "- - - -" Under range Indicator : "- _ _ _"		
Power Off	Auto or manual power off.		
Data Output	RS-232 serial data output.		

ELECTRICAL SPECIFICATIONS ( 23 ± 5 °C )				
Measurement	Range	In-range Display	Resolution	Accuracy
Lux	40.00 Lux	0 - 40.00 Lux	0.01 Lux	± ( 3% rdg + 0.5 % F.S.. )
	400.0 Lux	36.0 - 400.0 Lux	0.1 Lux	
	4,000 Lux	360 - 4,000 Lux	1 Lux	
	40,000 Lux	3,600 - 40,000 Lux	10 Lux	< 100,000 Lux : ± ( 3% rdg + 0.5 % F.S.. ) ≥ 100,000 Lux : @ for reference only
	400,000 Lux	10,000 - 400,000 Lux	100 Lux	
Foot-candle ( Fc )	4.000 Fc	0 - 3.720 Fc	0.001 Fc	± ( 3% rdg + 0.5 % F.S.. )
	40.00 Fc	3.35 - 37.20 Fc	0.01 Fc	
	400.0 Fc	33.5 - 372.0 Fc	0.1 Fc	
	4,000 Fc	335 - 3,720 Fc	1 Fc	< 9,300 Fc : ± ( 3% rdg + 0.5 % F.S.. ) ≥ 9,300 Fc @ for reference only
	40,000 Fc	930 - 37,200 Fc	10 Fc	

Note : Accuracy tested by a standard parallel light tungsten lamp of 2856 K degree temperature.