

*wide range, 4 light type, bar graph display*

# LIGHT METER

**Model : LX-1118**

*ISO-9001, CE, IEC1010*



## FEATURES

- \* Large LCD display with bar graph.
- \* 40.00/400.0/4,000/40,000/400,000 Lux.
- \* Lux or Foot-candle unit selection.
- \* 4 light type select.
- \* Sensor meet C.I.E. spectrum, 2 filters.
- \* Data hold, Record ( max., min. ).
- \* DC 1.5V battery ( UM-4, AAA ) x 6.



**LUTRON ELECTRONIC**

***The Art of Measurement***

## 4 light type, Display with bar graph

# LIGHT METER

Model : LX-1118

### FEATURES

* 5 ranges : 40.00/400.0/4,000/40,000/400,000 Lux, wide measuring range.
* High resolution : 0.01 Lux to 100 Lux, 0.01 Ft-cd to 10 Ft-cd.
* Selection of lighting type ( Tungsten, Fluorescent, Sodium or Mercury ).
* Sensor used the exclusive photo diode & color correction filter, spectrum meet C.I.E. photopic.
* Sensor cosine correction factor meet standard.
* Separate Light Sensor allows user to measure the light at an optimum position.
* Lux & Foot-candle unit selection.
* Large LCD display with bar graph and indicator.
* Water resistance front panel
* Use the rubber key for selecting the function.
* Microprocessor circuit ensure high accuracy, & also and also provides special functions and features.
* LSI circuit provides high reliability and durability.
* Zero adjusting button.
* Data hold, to freeze the desired reading value.
* Peak hold measurement.
* 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 bar graph indicator.
Measurement & ranges	5 ranges : 40.00 Lux, 400.0 Lux, 4,000 Lux, 40,000 Lux, 400,000 Lux.
Unit	Lux, Foot-candle ( Ft-cd ).
Lighting Type Selection	Tungsten lamp, Fluorescent lamp, Sodium lamp, Mercury lamp.
Sensor	The exclusive photo diode & color correction filter, spectrum meet C.I.E. Cosine correction factor meet standard.
Zero Adjustment	External adjustment by pushing button. * 40.00 Lux range only
Peak Hold	To hold the peak display.
Data Hold	To freeze the display value.
Memory	Save the max. & min. value with Recall.
Power Off	Auto or manual power off.
Over and Under Range Indication	Over range indicator : " - - - - - " Under range indicator : " _ _ _ _ _ "
Data Output	RS-232 serial data output.
Operating Temperature	0 °C to 50 °C ( 32 °F to 122 °F ).
Operating Humidity	Less than 80% RH.
Power Supply	DC 1.5 V battery ( UM4, AAA ) x 6 PCs, or equivalent.
Power Consumption	Approx. DC 8 mA.
Weight	357 g/0.79 LB. * Battery is included.
Dimension	<i>Main instrument :</i> 174 x 68 x 42 mm ( 6.9 x 2.7 x 1.7 inch ). <i>Light Sensor probe :</i> 82 x 55 x 7 mm ( 3.2 x 2.2 x 0.3 inch ).

Accessories Included	Instruction Manual..... 1 PC. Light Sensor with protection cover .....1 PC.
Optional Accessories	* Hard Carrying case, CA-06 * Soft Carrying case, CA-05A * RS232 cable, UPCB-02 * USB cable, USB-01 * Data Acquisition software, SW-801-WIN

### ELECTRICAL SPECIFICATIONS (23± 5 °C)

Unit	Range	In-range Display	Resolution
Lux	40.00 Lux	0 to 40.00 Lux	0.01 Lux
	400.0 Lux	36.0 to 400.0 Lux	0.1 Lux
	4,000 Lux	360 to 4,000 Lux	1 Lux
	40,000 Lux	3,600 to 40,000 Lux	10 Lux
	400,000Lux	10,000 to 400,000 Lux	100 Lux
Foot-candle ( Ft-cd )	4.000 Fc	0 to 3.720 Fc	0.001 Fc
	40.00 Fc	3.35 to 37.20 Fc	0.01 Fc
	400.0 Fc	33.5 to 372.0 Fc	0.1 Fc
	4,000 Fc	335 to 3,720 Fc	1 Fc
	40,000 Fc	930 to 37,200 Fc	10 Fc
<i>Foot-candle = Ft-cd = Fc</i>			

Unit	Range	Accuracy
Lux	40.00 Lux	± ( 3% rdg + 0.5 % F.S. )
	400.0 Lux	
	4,000 Lux	
	40,000 Lux	
Foot-candle ( Fc )	400,000 Lux	< 100,000 Lux : ± ( 3% rdg + 0.5 % F.S. ) 100,000 Lux : * For reference only
	4,000 Fc	± ( 3% rdg + 0.5 % F.S. )
40.00 Fc		
400.0 Fc		
Foot-candle ( Fc )	4,000 Fc	< 9,300 Fc : ± ( 3% rdg + 0.5 % F.S. ) 9,300 Fc : * For reference only
	40,000 Fc	

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

### SPECTRUM FOR LIGHT SENSOR

