# 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.









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** Large LCD display.

Display Large LCD display.			
1 . 7	LCD size 52 x 38 mm, 4 digits.		
	with bar graph indicator.		
Measurement	5 ranges: 40.00 Lux, 400.0 Lux,		
& ranges	4,000 Lux, 40,000 Lux, 400,000 Lux.		
Unit	Lux, Foot-candle (Ft-cd).		
Lighting Type	Tungsten lamp, Fluorescent lamp,		
Selection	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	Over range indicator : " "		
Under Range	Under range indicator : " "		
Indication			
Data Output	RS-232 serial data output.		
Operating	0 $^{\circ}\mathrm{C}$ to 50 $^{\circ}\mathrm{C}$ ( 32 $^{\circ}\mathrm{F}$ to 122 $^{\circ}\mathrm{F}$ ).		
Temperature			
Operating	Less than 80% RH.		
Humidity			
Power Supply	DC 1.5 V battery ( UM4, AAA ) x 6 PCs,		
	or equivalent.		
Power	Approx. DC 8 mA.		
Consumption			
Weight	357 g/0.79 LB. * Battery is included.		
Dimension	Main instrument :		
	174 x 68 x 42 mm		
	( 6.9 x 2.7 x 1.7 inch ).		
	Light Sensor probe :		
	82 x 55 x 7 mm		
	( 3.2 x 2.2 x 0.3 inch ).		

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

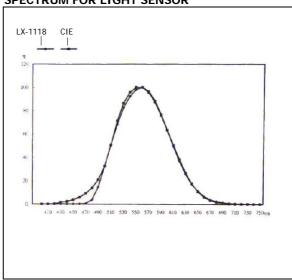
### ELECTRICAL SPECIFICATIONS (23 $\pm$ 5 $^{\circ}$ C)

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

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

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

### **SPECTRUM FOR LIGHT SENSOR**



<sup>\*</sup> Appearance and specifications listed in this brochure are subject to change without notice.