

# LIGHT METER

*4 Light type select*

Model : LX-107HA

ISO-9001, CE, IEC1010



## FEATURES

- \* Light sensor used the exclusive photo diode & color correction filter, spectrum meet C.I.E. standard.
- \* Sensor cosine correction factor meet standard.
- \* Wide range measurement both for Lux & Foot Candle units.
- \* Four lighting type selection, Tungsten, Fluorescent, Sodium or Mercury light source.
- \* Zero adjustment by push button.
- \* Microprocessor circuit.
- \* Large LCD display.
- \* Heavy duty & compact case.
- \* Records Maximum, Minimum and Average readings.
- \* Data hold.
- \* Auto power off saves battery life.
- \* Separate Light Sensor allows user to measure the light at an optimum position.



**Lutron**

**LUTRON ELECTRONIC**

***The Art of Measurement***

# LIGHT METER, Model : LX-107HA

## FEATURES

* Sensor used the exclusive photo diode & color correction filter, spectrum meet C.I.E. photopic.	* Large LCD display, easy readout.
* Sensor cosine correction factor meet standard.	* Zero adjustment by push button.
* Wide measurement both of Lux & Foot Candle measurement.	* Heavy duty & compact housing case.
* Selection of lighting type (Tungsten, Fluorescent, Sodium or Mercury).	* Separate Light Sensor allows user to measure the light at an optimum position.
* Microprocessor circuit assures maximum possible accuracy, provides special functions and features.	* Records Maximum, Minimum and Average readings with recall.
	* Data hold.
	* Auto shut off saves battery life.
	* Operates from 006P DC 9V battery.

## GENERAL SPECIFICATIONS

Circuit	Custom one-chip of micro-processor LSI circuit.	Power off	Auto shut off saves battery life, or manual off by push button.
Display	13 mm(0.5") large LCD.	Over input indication	Indication of " - - - -".
Measurement & ranges	Lux : 0 - 100,000 Lux, 3 ranges.	Operating Temp.	0 °C to 50 °C (32 °F to 122 °F).
	Foot-candle(Fc) : 0 - 10,000 Fc, 3 ranges.	Operating Humidity	Less than 80% RH.
Lighting Type Selection	Tungsten, Fluorescent, Sodium, Mercury lamp.	Power Supply	006P DC 9V battery (Heavy Duty Type).
Sensor	The exclusive photo diode & color correction filter, spectrum designed to meet C. I. E.	Power Current	Approx. DC 5.3 mA.
		Weight	335 g/0.77 LB
Memory Recall	Records Maximum, Minimum and Average readings with recall.	Dimension	<i>Main instrument :</i> 185 x 78 x 38 mm ( 7.3 x 3.1 x 1.5 inch ).
			<i>Sensor probe:</i> 85x55x12 mm(3.2x2.2x0.5 inch).
Zero Adj.	By push button.	Accessories	Instruction manual..... 1 PC.
Sampling Time	Approx. 0.4 sec.		Sensor probe..... 1 PC.
Power off	Auto shut off saves battery life, or manual off by push button.	Optional Carrying case	Soft Carrying Case, CA-03 Hard Carring Case, CA-06

## ELECTRICAL SPECIFICATIONS (23 ± 5 °C)

Measurement	Range	In-range Display	Resolution	Accuracy
Lux	2,000 Lux	0 - 1,999 Lux	1 Lux	± ( 5 % + 2 d )
	20,000 Lux	1,800 - 19,990 Lux	10 Lux	± ( 5 % + 2 d )
	100,000 Lux	18,000 - 10,000 Lux	100 Lux	≤ 50,000 Lux : ( 5 % + 2 d ) > 50,000 Lux : <i>for reference only, no specify the accuracy.</i>
Foot-candle ( Fc )	200 Fc	0 - 186.0 Fc	0.1 Fc	± ( 5 % + 2 d )
	2,000 Fc	167 - 1,860 Fc	1 Fc	± ( 5 % + 2 d )
	10,000 Fc	1,670 - 10,000 Fc	10 Fc	≤ 4,650 Fc : ± ( 5 % + 2 d ) > 4,650 Fc <i>for reference only, no specify the accuracy.</i>

## CARRYING CASE, optional

Soft carrying case, CA-03	Dimention : 210 x 100 x 70 mm, Weight : 81 g.
Hard carrying case, CA-06	Dimention : 275 x 195 x 64 mm, Weight : 465 g.

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

CAT-0108-LX107HA