

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. Foot-candle(Fc) : 0 - 10,000 Fc, 3 ranges.	Operating Temp.	0 °C to 50 °C (32 °F to 122 °F).
Lighting Type Selection	Tungsten, Fluorescent, Sodium, Mercury lamp.	Operating Humidity	Less than 80% RH.
Sensor	The exclusive photo diode & color correction filter, spectrum designed to meet C. I. E.	Power Supply	006P DC 9V battery (Heavy Duty Type).
Memory Recall	Records Maximum, Minimum and Average readings with recall.	Power Current	Approx. DC 5.3 mA.
Zero Adj.	By push button.	Weight	335 g/0.77 LB
Sampling Time	Approx. 0.4 sec.	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).
Power off	Auto shut off saves battery life, or manual off by push button.	Accessories	Instruction manual..... 1 PC. Sensor probe..... 1 PC.
		Optional Carrying case	Soft Carrying Case, CA-03 Hard Carrying 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	$\leq 50,000 \text{ Lux} :$ (5 % + 2 d) $> 50,000 \text{ Lux} :$ <i>for reference only,</i> <i>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	$\leq 4,650 \text{ Fc} :$ ± (5 % + 2 d) $> 4,650 \text{ Fc}$ <i>for reference only,</i> <i>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