

# LIGHT METER

4 Light type

Model : LX-105

ISO-9001, CE, IEC1010



**EZTECH**  
EZTECH Instruments

The Art Of Measurements

[www.WorldTesters.com](http://www.WorldTesters.com)

[sales@eztech-usa.com](mailto:sales@eztech-usa.com)

# LIGHT METER

Model : LX-105

FEATURES	
* Selection of lighting type (Tungsten, Fluorescent, Daylight or Mercury).	* Super large LCD display with contrast adjustment for best viewing angle.
* Sensor used the exclusive photo diode & color correction filter, spectrum meet C.I.E. photopic.	* Dual function meter's display.
* Sensor cosine correction factor meet standard.	* Heavy duty & compact housing case.
* Microprocessor circuit assures maximum possible accuracy, provides special functions and features.	* Records Maximum, Minimum and Average readings with RECALL.
* Wide measurement both of Lux & Foot Candle measurement.	* Relative % light measurement.
	* Zero adjustment by push button.
	* Data hold.
	* Auto shut off saves battery life.
	* RS 232 PC serial interface.

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") Super large LCD display with contrast adjustment for best viewing angle. * Dual function meter's display.	Data Output	RS 232 PC serial interface.
		Over input indication	Indication of "- - - -".
		Operating Temp.	0 to 50 °C (32 o 122 °F).
Measurement & ranges	Lux : 0 - 50,000 Lux, 3 ranges.	Operating Humidity	Less than 80% RH.
		Foot-candle(Fc) : 0 -5,000 Fc, 3 ranges.	Power Supply
	Relativity : 0 - max. 100 % to 1999 %. (depend measuring range & measuring value)	Power Current	Approx. DC 5.3 mA.
		Weight	335 g/0.77 LB
		Dimension	Main instrument: 180 x 72 x 32 mm (7.1 x 2.8 x1.3 inch). Sensor probe: 85x55x12 mm(3.2x2.2x0.5 inch)
Lighting Type Selection	Daylight or Tungsten, Fluorescent, Mercury lamp.	Accessories included	Instruction manual..... 1 PC. Sensor probe..... 1 PC. Sensor cover..... 1 PC.
Sensor	The exclusive photo diode & color correction filter, spectrum designed to meet C. I. E. Sensor cosine correction factor meet standard.	Optional Accessories	* Hard carrying case, CA-06 * Soft carrying case, CA-05A * RS232 cable, UPCB-01 * USB cable, USB-01 * Data Acquisition software, SW-U801-WIN
Memory Recall	Records Maximum, Minimum and Average readings with RECALL.		
Zero Adj.	By push button.		
Sampling Time	Approx. 0.4 sec.		

ELECTRICAL SPECIFICATIONS (23 ± 5 °C)				
Measurement	Range	In-range Display	Resolution	Accuracy
Lux	2,000 Lux	0 - 1,999 Lux	1 Lux	± (4 % + 2 d)
	20,000 Lux	1,800 - 19,990 Lux	10 Lux	± (4 % + 2 d)
	50,000 Lux	18,000 - 50,000 Lux	100 Lux	± (4 % + 2 d)
Foot-candle ( Fc )	200 Fc	0 - 186.0 Fc	0.1 Fc	± (4 % + 2 d)
	2,000 Fc	167 - 1,860 Fc	1 Fc	± (4 % + 2 d)
	5,000 Fc	1,670 - 5,000 Fc	10 Fc	± (4 % + 2 d)

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