

4 Light type

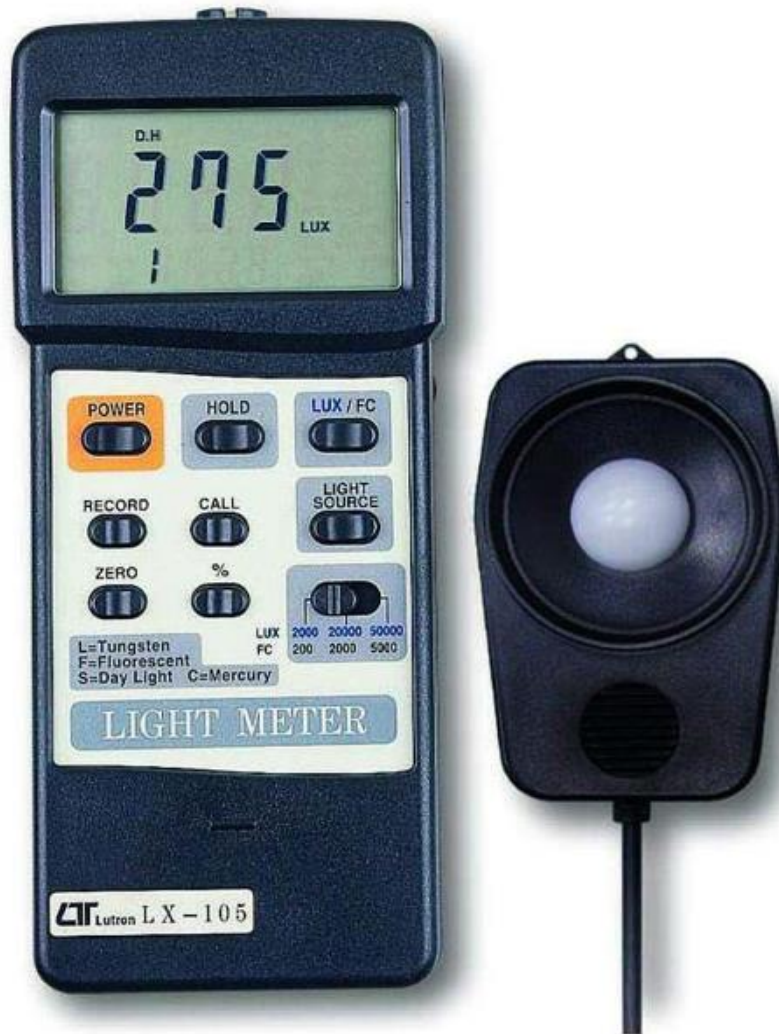
LIGHT METER

Model : LX-105

ISO-9001, CE, IEC1010

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The Art of Measurement

4 Light type

LIGHT METER

Model : LX-105

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FEATURE

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

GENERAL SPECIFICATION

Circuit	Custom one-chip of micro- processor LSI circuit.
Display	13 mm(0.5") Super large LCD display with contrast adjustment for best viewing angle. Dual function meter's display.
Measurement & ranges	Lux :0 - 50,000 Lux, 3 ranges. Foot-candle(Fc) :0 -5,000 Fc, 3 ranges. Relativity :0 - max. 100 % to 1999 %. (depend measuring range & measuring value)
Lighting Type Selection	Daylight or Tungsten, Fluorescent, Mercury lamp.
Sensor	The exclusive photo diode & color correction filter, spectrum designed to meet C. I. E. Sensor cosine correction factor meet standard.
Memory Recall	Records Maximum, Minimum and Average readings with RECALL.
Zero Adj.	By push button.
Sampling Time	Approx. 0.4 sec.
Power off	Auto shut off saves battery life, or manual off by push button.
Data Output	RS 232 PC serial interface.
Over input indication	Indication of " - - -".
Operating Temp.	0 to 50 °C (32 o 122 °F).
Operating Humidity	Less than 80% RH.
Power Supply	006P DC 9V battery (Heavy Duty Type).
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 x 1.3 inch). Sensor probe: 85x55x12 mm(3.2x2.2x0.5 inch)
Accessories included	Instruction manual..... 1 PC. Sensor probe..... 1 PC. Sensor cover.....1 PC.
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
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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.

LX-105+0603

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