

Analog output

# DIGITAL LIGHT METER

Model : LX-102

ISO-9001, CE, IEC1010

[www.yalab.com.tw](http://www.yalab.com.tw) 02-2389-0101



**Lutron**

[www.YaLAB.com.tw](http://www.YaLAB.com.tw)

*The Art of Measurement*

## Analog output

# DIGITAL LIGHT METER

Model : LX-102

[www.YaLAB.com.tw](http://www.YaLAB.com.tw) 02-2389-0101

## FEATURE

- \* Sensor used the exclusive photo diode & color correction filter, spectrum meet C. I. E. photopic.
- \* Sensor COS correction factor meet standard.
- \* Separate LIGHT SENSOR allows user take measurements of an optimum position.
- \* Precise and easy readout, wide range.
- \* High accuracy in measuring
- \* Built-in low battery indicator.
- \* LSI-circuit use provides high reliability and durability.
- \* LCD display provides low power consumption.
- \* Compact, light-weight, and excellent operation.
- \* LCD display can clearly read out even of high ambient light.

## GENERAL SPECIFICATION

Display	13 mm ( 0.5" ) LCD.
Measurement	Lux, Ft-candle,Data hold, Analog output.
Ranges	Lux :0 to 50,000 Lux, 3 ranges. Ft-candle :0 to 5,000 Ft-candle, 3 ranges.
Zero adjustment	Internal adjustment .
Over-input	Indication of " 1 ".
Sampling time	Approx. 0.4 second.
Sensor structure	The exclusive photo diode & color correction filter.
Power Supply	DC 9V battery. 006P,MN1604 ( PP3 ) or equivalent.
Power Consumption	Approx. DC 2 mA.
Output	Analog output.
Operating Temp.	0 to 50°C ( 32 to 12°F ).
Operating Humidity	Less than 80% R.H.
Dimension	Main Instrument : 163x70x30 mm(6.4x2.8x1.2 inch ) Sensor probe: 82x55x7 mm ( 3.2x2.2x0.3 inch ).
Weight	220g ( 0.52 LB ) with batteries.
Accessories Included	Instruction manual..... 1 PC.

## ELECTRICAL SPECIFICATIONS (23± 5 °C)

Range	Resolution	Accuracy	Range	Resolution	Accuracy
2,000 Lux	1 Lux	± ( 5 % + 2 d )	200 Ft-candle	0.1 Ft-candle	± ( 5 % + 2 d )
20,000 Lux	10 Lux	± ( 5 % + 2 d )	2000 Ft-candle	1 Ft-candle	± ( 5 % + 2 d )
50,000 Lux	100 Lux	± ( 5 % + 2 d )	5000 Ft-candle	10 Ft-candle	± ( 5 % + 2 d )

## ANALOG OUTPUT

0.1 mV/1 digit, Max. 200.0 mV.

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

LX-102+0603