

LIGHT METER

Model : LX-1102

ISO-9001, CE, IEC1010



Laboratory Equipment Manufacturer
www.mrclab.com



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| FEATURES | |
|---|---|
| * 5 ranges : 40.00/400.0/4,000/40,000/400,000 Lux, wide measuring range. | * Large LCD display with bargraph and indicator. |
| * High resolution : 0.01 Lux to 100 Lux, 0.01 Ft-cd to 10 Ft-cd | * Water resistance front panel |
| * Sensor used the exclusive photo diode & color correction filter, spectrum meet C.I.E. photopic. | * Use the rubber key for the function select. |
| * Sensor cosine correction factor meet standard. | * LSI circuit provides high reliability and durability. |
| * Separate Light Sensor allows user to measure the light at an optimum position. | * Zero adjusting button. |
| * Lux & Foot-candle unit selection. | * Data hold. |
| | * Memory function to display the max. & min. display value with Recall. |
| | * Auto power auto off or manual power off. |
| | * Compact size and excellent operation. |
| | * Built-in low battery indicator. |
| | * RS-232 computer serial data output. |

| GENERAL SPECIFICATIONS | | | |
|---------------------------------|---|-----------------------|---|
| Display | Large LCD display. LCD size 52 x 38 mm, 4 digits. with bargraph indicator. | Operating Temperature | 0 to 50 °C (32 to 122 °F). |
| Measurement & ranges | 5 ranges : 40.00/400.0 Lux, 4,000/40,000/400,000 Lux, | Operating Humidity | Max. 80% RH. |
| Unit | Lux, Foot-candle (Ft-cd). | Power Supply | DC 9V battery. 006P, MN1604 (PP3) or equivalent. |
| Sensor | The exclusive photo diode & color correction filter, spectrum meet C.I.E. Cosine correction factor meet standard. | Power Consumption | Approx. DC 8 mA. |
| Zero Adjustment | External adjustment by pushing button. (40.00 Lux range only) | Weight | 220 g/0.48 LB. |
| Peak Hold | To hold the peak display. | Dimension | <i>Main instrument :</i> 200 x 68 x 30 mm (7.9 x 2.7 x 1.2 inch). <i>Sensor probe :</i> 82 x 55 x 7 mm (3.2 x 2.2 x 0.3 inch). |
| Data Hold | To freeze the display value. | Accessories Included | Instruction Manual.....1 PC. Light Sensor with protection cover.....1 PC. |
| Memory | Save the max. & min. value with Recall. | Optional Accessories | RS232 cable, UPCB-02 USB cable, USB-01 Application Software, SW-U801-WIN Hard carrying case, CA-06 Soft carrying case, CA-05A |
| Over and Under range Indication | Over range Indicator : " _ _ _ _ " Under range Indicator : " _ _ _ _ " | | |
| Power Off | Auto or manual power off. | | |
| Data Output | RS-232 serial data output. | | |

| ELECTRICAL SPECIFICATIONS (23 ± 5 °C) | | | | |
|---|-------------|----------------------|------------|--|
| Measurement | Range | In-range Display | Resolution | Accuracy |
| Lux | 40.00 Lux | 0 - 40.00 Lux | 0.01 Lux | ± (3% rdg + 0.5 % F.S..) |
| | 400.0 Lux | 36.0 - 400.0 Lux | 0.1 Lux | |
| | 4,000 Lux | 360 - 4,000 Lux | 1 Lux | |
| | 40,000 Lux | 3,600 - 40,000 Lux | 10 Lux | < 100,000 Lux : ± (3% rdg + 0.5 % F.S..) ≥ 100,000 Lux : @ for reference only |
| | 400,000 Lux | 10,000 - 400,000 Lux | 100 Lux | |
| Foot-candle (Fc) | 4.000 Fc | 0 - 3.720 Fc | 0.001 Fc | ± (3% rdg + 0.5 % F.S..) |
| | 40.00 Fc | 3.35 - 37.20 Fc | 0.01 Fc | |
| | 400.0 Fc | 33.5 - 372.0 Fc | 0.1 Fc | |
| | 4,000 Fc | 335 - 3,720 Fc | 1 Fc | < 9,300 Fc : ± (3% rdg + 0.5 % F.S..) ≥ 9,300 Fc @ for reference only |
| | 40,000 Fc | 930 - 37,200 Fc | 10 Fc | |

Note : Accuracy tested by a standard parallel light tungsten lamp of 2856 K degree temperature.

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

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