

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 : | Operating Humidity | Less than 80% RH. |
| | 0 - 50,000 Lux, 3 ranges. | Power Supply | 006P DC 9V battery (Heavy Duty Type). |
| | Foot-candle(Fc) : | Power Current | Approx. DC 5.3 mA. |
| | 0 -5,000 Fc, 3 ranges. | Weight | 335 g/0.77 LB |
| | Relativity : | Dimension | Main instrument: 180 x 72 x 32 mm (7.1 x 2.8 x1.3 inch). |
| Lighting Type Selection | Daylight or Tungsten, Fluorescent, Mercury lamp. | | Sensor probe: 85x55x12 mm(3.2x2.2x0.5 inch) |
| Sensor | The exclusive photo diode & color correction filter, spectrum designed to meet C. I. E. Sensor cosine correction factor meet standard. | Accessories included | Instruction manual..... 1 PC. Sensor probe..... 1 PC. Sensor cover..... 1 PC. |
| Memory Recall | Records Maximum, Minimum and Average readings with RECALL. | 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 |
| 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.

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