



# DIGITAL LIGHT METER

Model : LX-102

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

| GENERAL SPECIFICATIONS |  |                      |                                  |
|------------------------|--|----------------------|----------------------------------|
| Display                | 13 mm ( 0.5" ) LCD.                                  | Power Consumption    | Approx. DC 2 mA.                 |
| Measurement            | Lux, Ft-candle, Data hold, Analog output.            | Output               | Analog output.                   |
| Ranges                 | <i>Lux</i> :   | Operating Temp.      | 0 to 50°C ( 32 to 122 °F ).      |
|                        | 0 to 50,000 Lux, 3 ranges.                           | Operating Humidity   | Less than 80% R.H.               |
|                        | <i>Ft-candle</i> :                                   | Dimension            | <i>Main Instrument</i> :         |
|                        | 0 to 5,000 Ft-candle, 3 ranges.                      |                      | 163x70x30 mm(6.4x2.8x1.2 inch )  |
| Zero adjustment        | Internal adjustment .                                |                      | <i>Sensor probe</i> :            |
| Over-input             | Indication of " 1 ".                                 |                      | 82x55x7 mm ( 3.2x2.2x0.3 inch ). |
| Sampling time          | Approx 0.4 second.                                   | Weight               | 220g ( 0.52 LB ) with batteries. |
| Sensor structure       | The exclusive photo diode & color correction filter. | Accessories Included | Instruction manual.....1 PC.     |
| Power Supply           | DC 9V battery. 006P, MN1604 ( PP3 ) or equivalent.   |                      |                                  |

| 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. |