

*IEC 651, type 2, economical type*

# LIGHT METER

**Model : SL-4010**

*ISO-9001, CE, IEC1010*



**LUTRON ELECTRONIC**

*The Art of Measurement*

# DIGITAL SOUND LEVEL METER

## Model : SL-4010

### FEATURES

|  |   |
|--|---|
| * Large LCD display, easy to read.   | * LCD display for low power consumption & clear read-out even in bright ambient light condition.        |
| * Characteristic of " A " frequency weighting network are designed to meet IEC 651 type 2. |   |
| * " Fast " time weighting characteristic mode.   | * Used the durable, long-lasting components, including a strong, light weight ABS-plastic housing case. |
| * Build in adj. VR is available for easy calibration.                                      |   |
| * Condenser microphone for high accuracy & long-term stability.                            | * Small and light weight design allow one hand operation.   |
| * Hold function to freeze the display value.   | * Low battery indicator.  |
| * Warning indicator for over and under range.  | * High quality with economical cost.  |

### SPECIFICATIONS

|                             |   |
|-----------------------------|---|
| Display                     | 18 mm ( 0.7" ) LCD ( Liquid Crystal Display ), 3 1/2 digits.  |
| Measurement Range           | 30 to 130 dB, 3 ranges :<br><i>range 1 - 30 to 80 dB, range 2 - 50 to 100 dB, range 3 - 80 to 130 dB, Each range with warning indicator for over &amp; under load.</i>  |
| Resolution                  | 0.1 dB.   |
| Measurement Frequency       | 31.5 Hz to 8,000 Hz.  |
| Frequency Weighting Network | Characteristics of " A " frequency weighting network.<br><i>The " A weighting " characteristic is simulated as "Human Ear Listing" response.</i>  |
| Time Weighting              | Default to " Fast " time weighting characteristics.<br><i>" Fast time weighting " is simulated the human ear response character.</i>  |
| Accuracy (23 ± 5 °C)        | Characteristics of " A " frequency weighting network meet IEC 651 type 2.<br>Under 94 dB input signal, the accuracy are :<br><i>31.5 Hz - ± 3 dB, 63 Hz - ± 2 dB, 125 Hz - ± 1.5 dB<br/>250 Hz - ± 1.5 dB, 500 Hz - ± 1.5 dB, 1 kHz - ± 1.5 dB<br/>2 kHz - ± 2 dB, 4 kHz - ± 3 dB, 8 kHz - ± 5 dB</i> |
| Calibrator                  | B & K (Bruel & kjaer), multi-fuction acoustic calibrator, model : 4226.   |
| Microphone                  | Electric condenser microphone.  |
| Size of microphone          | 1/2 inch standard size.   |
| Calibration VR              | Build in external calibration VR, easy to calibrate on 94 dB level by screw driver.   |
| Data Hold                   | Hold function to freeze the display value.  |
| Operating Temp.             | 0 °C to 50 °C ( 32 °F to 122 °F ).  |
| Operating Humidity          | Less than 80% RH  |
| Power Supply                | 006P DC 9V battery ( heavy duty type ).   |
| Power Consumption           | Approx. DC 6 mA.  |
| Dimension                   | 225 x 70 x 28 mm ( 8.9 x 2.8 x 1.1 inch).   |
| Weight                      | 250 g/0.55 LB ( including battery ).  |
| Standard Accessories        | Instruction Manual ..... 1 PC.  |
| Optional Accessories        | 94 dB Sound Calibrator, Model : SC-941.   |
|                             | 94 dB/114 dB Sound Calibrator, Model : SC-942.  |
|                             | Hard carrying case, Model : CA-06.  |

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

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