

*mini pocket type, IEC 61672 class 2*

# SOUND LEVEL METER

**Model : SL-4030**

*ISO-9001, CE, IEC1010*



**LUTRON ELECTRONIC**

***The Art of Measurement***

**Pocket type**

# SOUND LEVEL METER

**Model : SL-4030**

## FEATURES

|   |
|---|
| * Large LCD display, easy to read.  |
| * Time weighting and frequency weighting meet , IEC 61672 class 2.                                      |
| * A & C weighting networks are conformity to standards.   |
| * 0.5" standard out size of the microphone.   |
| * Time weighting (Fast & Slow) dynamic characteristic modes.  |
| * AC / DC output for system expansion.  |
| * External calibration VR.  |
| * Condenser microphone for high accuracy & long-term stability.   |
| * MAX. HOLD function for stored the maximum value.  |
| * Warning indicator for over and under load.  |
| * Low battery indicator.  |
| * LCD display for low power consumption & clear read-out even in bright ambient light condition.        |
| * Used the durable, long-lasting components, including a strong, light weight ABS-plastic housing case. |
| * Pocket and light weight design allow one hand operation.  |
| * Power by 006P DC 9V battery or DC 9V adapter.   |

## SPECIFICATIONS

|                     |   |
|---------------------|---|
| Display             | LCD size : 49 mm x 25.5 mm,<br>Digit size : 21.7 mm x 8.8 mm.   |
| Function            | dB (A & C weighting),<br>Time weighting (Fast, Slow),<br>Max. hold, AC output, DC output.   |
| Measurement Range   | A Weighting- 3 ranges, 30 to 130 dB.<br>C Weighting- 3 ranges, 30 to 130 dB.  |
| Resolution          | 0.1 dB.   |
| Accuracy (23± 5 °C) | Frequency weighting meet IEC 61672 class 2, calibrating input signal on 94 dB ( 31.5 Hz to 8 kHz), the accuracy of frequency weighting is specified as following:<br><br><i>31.5 Hz - ± 3.5 dB, 63 Hz - ± 2.5 dB,<br/>125 Hz - ± 2.0 dB 250 Hz - ± 1.9 dB,<br/>500 Hz - ± 1.9 dB, 1 kHz - ± 1.4 dB<br/>2 kHz - ± 2.6 dB, 4 kHz - ± 3.6 dB,<br/>8 kHz - ± 5.6 dB</i> |
| Frequency           | 31.5 to 8,000 Hz.   |
| Microphone type     | Electric condenser microphone.  |

|                             |   |
|-----------------------------|---|
| Microphone size             | Out size, 12.7 mm Dia. ( 0.5 inch).   |
| Weighting Network           | Characteristics of A & C.   |
| Range selector              | 3 ranges ( 30 to 80 dB, 50 to 100 dB, 80 to 130 dB ).<br><br>* 50 dB on each step,<br>* with over / under range indicating.   |
| Time weighting (Fast, Slow) | Fast - t= 200 ms, Slow - t = 500 ms,<br>* "Fast" range is simulated the human ear response time.<br>* "Slow" range is easy to get the avg. values of vibration sound level.<br>* The "Fast" & "Slow" response range are designed to meet IEC 61672 class 2 requirement. |
| Calibrator                  | B & K (Bruel & kjaer), Multifuction Acoustic Calibrator 4226.   |
| Output Signal               | AC output - AC 0.5 Vrms correspond- ing to each range step.<br>DC output - DC 0.3 to 1.3 VDC, 10 mV / per dB.<br>Output impedance - 600 ohm.  |
| Output terminal             | 3.5 mm dia. phone output terminal is provided for connection with analyzer, level recorder, tape recorder.  |
| Operating Temperature       | 0 to 50 °C .  |
| Operating Humidity          | Less than 80% R.H.  |
| Power Supply                | 006P DC 9V battery (heavy duty type) or DC 9V adapter input.  |
| Power Consumption           | Approx. DC 10 mA.   |
| Dimension                   | 200 x 69 x 28 mm ( 7.9x2.7x1.4 inch).   |
| Weight                      | 213 g/0.5 LB.   |
| Accessories Included        | Instruction Manual ..... 1 PC.  |
| Optional Accessories        | 94 dB sound calibrator, SC-941<br>94 dB/114 dB sound calibrator, SC-942<br>AC to DC 9V adapter.<br>Wind shield ball, SB-01.   |

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

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