

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

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| * 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

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| Display | LCD size : 49 mm x 25.5 mm, Digit size : 21.7 mm x 8.8 mm. |
| Function | dB (A & C weighting), Time weighting (Fast, Slow), Max. hold, AC output, DC output. |
| Measurement Range | A Weighting- 3 ranges, 30 to 130 dB. 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: <i>31.5 Hz - ± 3.5 dB, 63 Hz - ± 2.5 dB, 125 Hz - ± 2.0 dB 250 Hz - ± 1.9 dB, 500 Hz - ± 1.9 dB, 1 kHz - ± 1.4 dB 2 kHz - ± 2.6 dB, 4 kHz - ± 3.6 dB, 8 kHz - ± 5.6 dB</i> |
| Frequency | 31.5 to 8,000 Hz. |
| Microphone type | Electric condenser microphone. |

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| 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). * 50 dB on each step, * with over / under range indicating. |
| Time weighting (Fast, Slow) | Fast - t= 200 ms, Slow - t = 500 ms, * "Fast" range is simulated the human ear response time. * "Slow" range is easy to get the avg. values of vibration sound level. * 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. DC output - DC 0.3 to 1.3 VDC, 10 mV / per dB. 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 94 dB/114 dB sound calibrator, SC-942 AC to DC 9V adapter. Wind shield ball, SB-01. |

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

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