

*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, 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.

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), Multifunction 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 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.

0711-SL4022