

IEC 61672 class 2

SOUND LEVEL METER

Model : SL-4011

ISO-9001, CE, IEC1010

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The Art of Measurement

SOUND LEVEL METER

Model : SL-4011

FEATURE

- * Large LCD display, easy to read.
- * Frequency weighting networks are designed to meet the IEC 61672 class 2.
- * A & C weighting networks are conformity to standards.
- * Time weighting(FAST & SLOW) dynamic characteristic modes.
- * AC/DC output for system expansion.
- * Build in adj. VR is available for easy calibration.
- * Condenser microphone for high accuracy & long-term stability.
- * Max. Hold function for stored the maximum value on display.
- * Warning indicator for over and under load.
- * 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.
- * Small and light weight design allow one hand operation.
- * Low battery indicator.

ELECTRICAL SPECIFICATIONS (23± 5 °C)

Display	18mm (0.7") LCD (Liquid Crystal Display), 3 1/2 digits.
Function	dB (A & C frequency weighting), Time weighting(Fast, Slow), Max. hold, AC & DC output. Measurement Range
Resolution	0.1 dB.
Display	18mm (0.7") LCD (Liquid Crystal Display), 3 1/2 digits.
Accuracy	Frequency weighting meet IEC 61672 class 2, calibrating input signal on 94 dB(31.5 Hz to 8 kHz), then the accuracy of frequency weighting is specified as following: 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
Frequency Weighting Network	Characteristics of A & C. A weighting The characteristic is simulated as "Human Ear Listing" response. Typical, if making the environmental sound level measurement, always select to A weighting. C weighting The characteristic is near the "FLAT" response. Typical, it is suitable for checking the noise of machinery (Q.C. check) & knowing the sound pressure level of the tested equipment.
Frequency	31.5 Hz to 8,000 Hz.
Calibrator	B & K (Bruel & kjaer), multi-fuction acoustic calibrator, model : 4226.
Microphone type	Electric condenser microphone.
Size of microphone	1/2 inch standard size.
Range selector	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 weighting. "Slow" range is easy to get the average values of vibration sound level.
Calibration	* Build in external calibration VR, easy to calibrate by external screw driver

Output Signal	AC output - AC 0.5 Vrms corresponding to each range step. DC output - DC 0.3 to 1.3 VDC, 10 mV per dB, Out put impedance - 600 ohm.
Output terminal	3.5 mm phone output terminal is provided for connection with analyzer, level recorder, tape recorder.
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 6mA.
Dimension	255 x 70 x 28 mm (10.0x2.8x1.1 inch).
Weight	280 g/0.62 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.

SL-4011+0807

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