

SOUND LEVEL METER

30 to 130db, A & C frequency weighting, F/S time weighting

AC & DC output, max. hold, Main function meet IEC 651 TYPE 2



Model : SL-4001



Model : SL-4011



Lutron

The Art of Measurement

Contact: **Translook**
on (02) 9756 2622
For Price & Availability

CATALOG 609

DIGITAL SOUND LEVEL METER, MODEL : SL-4001, SL-4011

FEATURES

* Large LCD display, easy to read.	* Max. Hold function for stored the maximum value on display.
* Frequency weighting networks are designed to meet IEC 651 type 2.	* Warning indicator for over and under load.
* A & C weighting networks are conformity to standards.	* LCD display for low power consumption & clear read-out even in bright ambient light condition.
* FAST & SLOW dynamic characteristic modes.	* Used the durable, long-lasting components, including a strong, light weight ABS-plastic housing case.
* AC/DC output for system expansion.	* Small and light weight design allow one hand operation.
* Build in adj. VR, available for easy calibration.	* Low battery indicator.
* Condenser microphone for high accuracy & long-term stability.	

SPECIFICATIONS

Display	1 8mm (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	3 ranges, 35 to 130 dB(typical 30 to 130 dB), input signal only.	
Resolution	0.1 dB.	
Accuracy (23 ± 5 °C)	Frequency weighting meet IEC 651 type 2, calibrating input signal on 94 dB (31.5 Hz to 8 kHz), the accuracy of A weighting is specified as following: 31.5 Hz - ± 3 dB, 63 Hz - ± 2 dB, 125 Hz - ± 1.5 dB 250 Hz - ± 1.5 dB, 500 Hz - ± 1.5 dB, 1 kHz - ± 1.5 dB 2 kHz - ± 2 dB, 4 kHz - ± 3 dB, 8 kHz - ± 5 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	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 (F & S)	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.	
Output Signal	* The "Fast" & "Slow" time weighting range are designed to IEC 651 type 2 requirement.	
Calibration	AC output - AC 0.5 Vrms corresponding to each range step.	
	DC output - DC 0.3 to 1.3 V, 10 mV per dB.	
	Out put impedance - 600 ohm.	
Output Terminal	Build in external calibration VR, easy to calibrate on 94 dB level by screw driver. Internal oscillation system, 1 KHz sine wave generator (SL-4001 only).	
Operating Temp.	3.5 mm dia. phone output terminal is provided for connection with analyzer, level recorder, tape recorder.	
Operating Humidity	0°C to 50°C (32°F to 122°F).	
Power Supply	Max. 90% RH (0° to 35°C).	
Power Consumption	006P DC 9V battery (heavy duty type).	
Dimension	Approx. DC 6 mA.	
Weight (w/ battery)	SL-4001 : 245 x 80 x 35 mm	SL-4011 : 255 x 80 x 30 mm
	SL-4001 : 296 g/0.65 LB	SL-4011 : 275 g/0.61 LB
Standard Accessories	Instruction Manual.....1 PC.	
	Screw Driver (SL-4001 only).....1 PC.	
Optional	Carrying case (SL-4011 only).....1 PC	
	94 dB Sound Calibrator, model : SC-940, model : SC-941	

SOUND LEVEL METER CALIBRATOR, Model : SC-940, SC-941

Futures	Precision 94 dB/1000 Hz sound calibrator, useful to calibrate Sound Level Meter.	
Frequency	1000 Hz ± 5 %.	
Sound Pressure Level	94 dB. ± 0.8 dB.	
Microphone Type	SC-940 : 0.5" microphone & 1" microphone. SC-941 : 0.5" microphone.	
Size	SC-940	Main instrument - 124x69x25 mm, Sensor - 35 mm dia. x 48 mm
	SC-941	Round 50 mm dia. x 82 mm.

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

CAT609

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