
59.1
SOUND LEVEL METER
POWER
OFF
ON (DC)
ON (AC)
WEIGHTING
C
A
dB
30 - 80
50 - 100
80 - 130
RESPONSE
S
F
MAX HOLD
Lutron
SL-4011

DIGITAL SOUND LEVEL METER, Model : 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.	
* Build in adj. VR, available for easy calibration.	* Small and light weight design allow one hand operation.
* Condenser microphone for high accuracy & long-term stability.	* Low battery indicator.

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	0.5 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. * The "Fast" & "Slow" time weighting range are designed to IEC 651 type 2 requirement.
Output Signal	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.
Calibration	Build in external calibration VR, easy to calibrate on 94 dB level by screw driver.
Output Terminal	3.5 mm dia. 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	Max. 90% RH (0° to 35°C).
Power Supply	006P DC 9V battery (Alkazine or Heavy duty type).
Power Consumption	Approx. DC 6 mA.
Dimension	255 x 80 x 30 mm.
Weight (w/ battery)	275 g/0.61 lb.
Standard Accessories	Instruction Manual.....1 PC. Carrying case..... 1 PC.
Optional	94 dB Sound Calibrator, model : SC-941, model : SC-940A

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

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	0.5" microphone & 1" microphone.	
Size	SC-941	Round 50 mm dia. x 82 mm.
	SC-940A	Main instrument – 124 x 69 x 25 mm, Sensor – 35 mm dia. x 48 mm

* Appearance and specifications listed in this brochure are subject to change without notice. 0107-SL4011