Lutron SL-4001
DIGITAL SOUND LEVEL METER

- **Large LCD display**, easy to read
- **Frequency weighting networks** are designed to meet the IEC 651 type 2
- **A & C weighting networks** are comformity to standards
- **Time weighting** (FAST & SLOW) dynamic characteristic modes
- **AC/DC output** for system expansion
- **Built-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 dispaly
- **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 ligh weight** design allow one hand operation
- **Low battery** indicator
- **Standard accessories:** instruction manual, calibration screw driver

Specifications **Digital sound level meter**

Display:	18 mm LCD, 3 1/2 digits
Function:	dB (A & C frequency weighting) Time weighting (Fast=200ms / Slow=500ms) Max. hold, AC output, 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), then the accuracy of A weighting is specified as following:

31.5Hz	63Hz	125Hz	250Hz	500 Hz	1kHz	1kHz	2kHz	4kHz	8kHz
±3dB	±2dB	±1.5dB	±1.5dB	±1.5dB	±1.5dB	±1.5dB	±2dB	±3dB	±5dB

Frequency weighting network:	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 & k multi-function 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)	Fast: t=200 ms ("Fast" range is simulated the human ear response time weighting) Slow: t=500 ms ("Slow" range is easy to get the average values of vibration sound level)
Out terminal:	3.5 phone output terminal is provided for connection with analyzer, level recorder, tape recorder
Output signal:	AC output - AC 0.5 Vrms corresponding to each range step DC output - DC 0.3 to 1.3VDC; 10 mV per dB Output impedance: 600 Ohm
Calibration:	Built-in external calibration VR, easy to calibrate by external screw driver Internal oscillation system, 1 kHz sine wave generator
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 (heavy duty type)
Power consumption:	approx. DC 6 mA
Dimension:	205 x 80 x 35 mm (8.1 x 3.2 x 1.4 inch)
Weight:	250 gr. including battery