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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

Specif	ications 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 ($23 \pm 5^{\circ}$ 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:31.5Hz63Hz125Hz250Hz500 Hz1kHz1kHz2kHz4kHz8kHz±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			