

# Digital Sound Level Meter

Part No. 01SL4001

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## FEATURES

- Large LCD display, easy to read.
- Frequency weighting networks are designed to meet the IEG 651 type 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.



## SPECIFICATIONS

<b>Display:</b>	18mm (0.7") LCD (Liquid Crystal Display), 3 1/2 digits.	<b>Time weighting: (Fast &amp; Slow)</b>	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.
<b>Function:</b>	dB (A & C frequency weighting) , Time weighting (Fast, Slow), Max. hold, AC & DC output.	<b>Calibration:</b>	* Build in external calibration VR, easy to calibrate by external screw driver. * Internal oscillation system, 1 KHz sine wave generator.
<b>Measurement Range:</b>	3 ranges, 35 to 130 dB (typical 30 to 130 dB), input signal only.	<b>Output Signal:</b>	AC output - AC 0.5 Vrms corresponding to each range step. DC output - DC 0.3 to 1.3 VDC, 10 mV per dB. Output impedance - 600 ohm.
<b>Resolution:</b>	0.1 dB.	<b>Out terminal:</b>	3.5 phone output terminal is provided for connection with analyzer, level recorder, tape recorder.
<b>Accuracy: (23 ± 5 °C)</b>	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: 31.5 Hz - ±3 dB, 63 Hz - ±2 dB, 125 Hz - ±1.5 dB 250Hz- ± 1.5 dB, 500Hz- ± 1.5dB, 1 kHz- ± 1.5dB 2 kHz - ± 2 dB, 4 kHz - ± 3 dB, 8 kHz - ± 5 dB	<b>Operating Temperature:</b>	0°C to 50°C (32 °F to 122 °F).
<b>Frequency Weighting Network:</b>	Characteristics of A & C. <i>A Weighting</i> - The characteristic is simulated as "Human Ear Listing" response. Typical, if making the environmental sound level measurement, always select to A weighting. <i>C Weighting</i> - 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.	<b>Operating Humidity:</b>	Max. 90% RH (0 to 35 °C).
<b>Frequency:</b>	31.5 Hz to 8,000 Hz.	<b>Power Supply:</b>	006P DC 9V battery (heavy duty type).
<b>Calibrator:</b>	B & K (Bruel & k multi-fuction acoustic calibrator, model: 4226.	<b>Power Consumption:</b>	Approx. DC 6mA.
<b>Microphone:</b>	Electric condenser microphone.	<b>Dimension:</b>	205 x 80 x 35 mm (8.1 x 3.2 x 1.4 inch).
<b>Size of microphone:</b>	1/2 inch standard size.	<b>Weight:</b>	280g / 0.62 LB (including battery).
<b>Range selector:</b>	30 to 80 dB, 50 to 100 dB, 80 to 130 dB, 50 dB on each step, with over & under range indicating.	<b>Standard Accessories:</b>	Instruction Manual ..... 1 PC. Calibration screw driver ..... 1 PC.