

Sound Level Meter

Part No. 01SL4022

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FEATURES

- Main function (frequency weighting & time weighting) and specifications are designed to meet IEC 651 type 1
- Large LCD display, easy to read.
- A & C weighting networks are conformity to standards.
- FAST & SLOW dynamic characteristic modes.
- AC output for system expansion.
- Build in adj. VR, available for easy calibration.
- Condenser microphone for high accuracy & long-term stability.
- Build max. hold reset switch.
- 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.
- Compact and heavy duty housing case.
- Low battery indicator.



SPECIFICATIONS

Display:	18mm (0.7") LCD (Liquid Crystal Display), 3 1/2 digits.	Time Weighting (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.
Function:	dB (A & C frequency weighting), Time weighting (Fast, Slow), Max. hold, Max. hold reset, AC output.	Output Signal:	AC output – AC 0.4 Vrms corresponding to each range step.
Measurement Range:	3 ranges (30 - 70 dB, 60 - 100 dB, 90 - 130 dB)	Calibration:	Build in external calibration VR, easy to calibrate on 94 dB level by screwdriver. Internal oscillation system, 1 KHz sine wave generator.
Resolution:	0.1 dB.	Output Terminal:	3.5 mm dia. phone output terminal is provided for connection with analyzer, level recorder, tape recorder.
Accuracy (23 ± 5 °C):	Time weighting & frequency weighting meet IEC 651 type 1, calibrating input signal on 94 dB (31.5 Hz to 8 kHz), the accuracy of A weighting is specified as following: 31.5 Hz – ± 1.5dB, 63Hz – ± 1.5 dB, 125Hz – ± 1 dB 250 Hz – ± 1 dB, 500 Hz – ± 1 dB, 1 kHz – ± 1 dB 2 kHz – ± 1 dB, 4 kHz – ± 1 dB, 8 kHz – ± 1.5 dB to –3 dB	Operating Temp.:	0°C to 50°C (32°F to 122°F).
Frequency Weighting Network:	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.	Operating Humidity:	Max 90% RH (0 to 35)
Frequency:	31.5 Hz to 8,000 Hz.	Power Supply:	DC 9V battery x 2 PCs, 006P, MN1604 (PP3) or equivalent, heavy duty or alkaline type.
Calibrator:	B & K (Bruel & Kjaer), multi-function acoustic calibrator, model: 4226.	Power Consumption:	Approx. DC 17 mA
Microphone:	Electric condenser microphone.	Dimension:	260 x 87 x 36 mm (10.2 x 3.4 x 1.4 inch)
Size of Microphone:	1/2 inch standard size.	Weight (w/ Battery):	450 g/0.99 LB.
Range Selector:	30 to 70 dB, 60 to 100 dB, 90 to 130 dB, 40 dB on each step, with over & under range indicating.	Standard Accessories:	Instruction Manual 1PC Carrying Case 1PC