CEL240 Type 2 Sound Level Meter

Features

- Quick and easy to use
- Lightweight but rugged case
- 2 year warranty
- Calibration certificate included

Applications

- General noise measurements
- OSHA occupational noise surveys

Standards

- ANSI S1.4 and IEC 60651 to Type 2
- IEC 61672 Class 2

It is essential that a sound level meter meets these standards if it is to be used for any important measurements, particularly those that involve the protection of workers (hearing protection) or any other legal purposes. The CEL240 meets the strict demands of ANSI S1.4, IEC 60651 and IEC 61672 and is provided with a Calibration Certificate at no extra cost, so you can make your noise measurements with confidence.

Digital Technology and Graphical Display

The graphical display gives the option of viewing the sound level as a simple number (shown to the left) or as a graph, clearly showing the variation of noise over time (see main image).

Unlike most sound level meters in this price range, the CEL240 uses the latest in digital technology - models using the older analog techniques tend to drift more over time and with temperature and air pressure changes. Sampling and digitizing the signal closer to the microphone ensures a much more stable sound level meter for repeatable measurements.

Outputs

An AC output and optional DC output mean this meter can be connected to a level recorder, PC equipped with an A/D converter or integrated with another data logging system.

See Specifications tab for more details about the standards and noise measurement range.

https://au.noisemeters.com/p/cel240/

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Specifications

Specifications

The CEL240 is a "general purpose" sound level meter and meets the international standards to Type 2 or Class 2. For any noise measurement that requires accurate, repeatable and comparable results, especially when used for hearing protection or other legal purposes, it is essential to use one that meets these standards.

Sound Level Meter Standards

- ANSI S1.4 Type 2
- IEC 60651 Type 2
- IEC 61672 Class 2

Technical Specification

Measurement ranges	30 to 100 and 60 to 130 dB
Noise floor	
Time weightings	Fast, Slow, Impulse
Freq. weightings	A and C
Battery power	3 x AA Alkaline for >35 hours operation
External power	5V via USB Mini B socket
Dimensions	72 x 212 x 31mm, 245g
Tripod mount	1/4" socket
AC output	0.85V RMS @ FSD "A" weighted
DC output	0 to 3.3V DC for FSD on selected range (FOC option)
Operating conditions	RH: 5 to 90% (non condensing) Temperature: 0 to 40°C Atmos. pressure 65 to 108kPa