NoiseMeters

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Low Cost Noise Meter - NM102

Features

- Large, clear display with back-light
- 30 to 130 dB(A) Auto Ranging
- **A** and **C** frequency weighting
- **Fast** and **Slow** time weighting
- **Maximum** and **Minimum** sound level readings
- **Hold** button holds the currently displayed level
- Includes **Wind Shield**, **Carrying Case** and **Battery**

Applications

- General Purpose Noise Measurement
- Office Noise
- Alarm Checks

Overview

This low cost noise meter has been designed for simple noise surveys and sound level checks. Despite its full range of features, it is very easy to use and the large backlit display helps when measuring in poor light conditions.

Due to its auto-ranging feature and simple push-button operation, this noise meter is extremely easy to use. Just switch it on and it is measuring with the most common settings: "A" frequency weighting and "Fast" time response. At the push of a button you can change it to display the "C" weighted sound level or change to "Slow" time response. The large display with back light make this meter ideal for measuring noise levels where the natural light is poor.

Regulations

Please note that for measuring occupational noise to national regulations, you should usually use a Type 2 Integrating Sound Level Meter rather than a simple non-integrating meter such as the NM102. For more advice please visit our Occupational Noise information page.

For any noise monitoring application it is always wise to check whether there are any regulations that state the grade of meter that should be used and define the parameters that the meter should measure.

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Specifications

Technical Specifications

Display	4 Digit LCD with back light, update rate 0.5 s
Indicators	Low battery, freq. & time weighting, min/max
Battery	One 9V battery (supplied)
Battery Life	About 50 hours (alkaline battery)
Temp. & Humidity	5°C to 40°C, below 80% RH
Dimensions	8" x 2.1" x 1.5", 6 ounce (inc. battery) 200 x 55 x 38, 170 g (including battery)

Acoustic Specifications

Resolution / Accuracy	0.1dB / ±1.5 dB (ref 94 dB @ 1 kHz)
Frequency Range	31.5 Hz to 8 kHz
Level Range	30 to 130 dB(A), 35 to 130 dB(C)
Frequency Weighting	A and C
Microphone	1/2" electret condenser
Time Weighting	Fast (125 ms) and Slow (1 s)
Dynamic Range	50 dB

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Web Sites

Main site:
https://eu.noisemeters.com

Product shortcut:
https://eu.noisemeters.com/p/nm102/

Tech Support:
https://support.noisemeters.com