NoiseMeters
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CR308 Sound Level Meter

Features

- Calibrated Class 2 Sound Level Meter
- **Fast** and **Slow** response
- **A** and **C** frequency weighting
- Back-light for darker environments
- Min, Max and Peak measurement
- AC and DC
- Calibration certificate included

Applications

- Basic noise checks
- Alarm installation
- Fire alarm testing
- Machinery and factory noise (see notes below)

Overview

The CR308 is an easy to use sound level meter that meets the international standards to Class 2 / Type 2, as required by many noise measurement standards. It measures the Fast or Slow sound level with both "A" and "C" frequency weightings.

Standards

- IEC 61672 Class 2
- ANSI S1.4 and IEC 60651 to Type 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 any other legal purposes. The CR308 meets the strict demands of IEC 61672, IEC 60651 and ANSI S1.4 and is provided with a Calibration Certificate at no extra cost, so you can make your noise measurements with confidence.

Noise Measurements

The CR308 measures the instantaneous sound level with either **A** or **C** weighting. Most noise regulations require **A** weighting. It also has both **Fast** and **Slow** time response. Many regulations require **Fast** but some, like the USA OSHA regulations use **Slow** as it is easier to average by eye.

The meter also provides the Maximum and Minimum readings for whichever weightings are selected. A Reset button is used to clear and start the next min/ max measurement.

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.

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Specifications

CR308 Sound Level Meter Specifications

Standards	IEC 61672-1:2013 Class 2 ANSI S1.4 and IEC 60651 Type 2
Range	30 dB (A) to 130 dB (A) 40 dB (C) to 130 dB (C)
Frequency weighting	A and C
Time weighting	Fast (F) and Slow (S)
Display functions	Sound level, maximum, minimum, C peak
Measurements	LAF, LAS, LCF, LCS, LCpk
Noise floor	< 25 dB (A)and 35 dB (C)
Resolution	0.1 dB
Display flags	Alarm limit, overload, under-range
Auto cal. range	±4.5dB
Reference point	94dB (1kHz), 92.9dB (8kHz)
Settling time	60s
Display	Backlit 128×64 LCD, resolution 0.1 dB

Electrical inputs	5V power in via mini USB
Power	2 x AA/LR6 1.5V batteries Or 5V DC via Mini USB
Battery life	24 hours
Microphone	1 D2” pre-polarised electret condenser type HY:205
Operating temperature	0°C to +40°C
Operating humidity	25% to 90%
Atmospheric pressure	65 kPa to 108kPa
Storage temperature	-20°C to +60°C
Dimensions	215 × 68 × 32 mm
Weight	220 g (including battery)
Electrical outputs	AC (Tip 3.5 mm jack) and DC (middle 3.5 mm jack)
DC output	voltage 15mV/dB, range 450mV to 1950mV
AC output	RMS 2V
Tripod Mount	1/4" Whitworth socket

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Web Sites

Main site:
https://noisemeters.co.uk

Product shortcut:
https://noisemeters.co.uk/p/cr308/

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