NoiseMeters
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Acoustic Calibrator - Class 1

Features

- IEC 60942:2003 Class 1
- ANSI S1.40:2006
- Sound pressure level 94 dB
- Frequency 1 kHz
- Fits ½" microphones
- Adapter available for ¼" microphones

Applications

- Calibration check of Type 1 sound level meter
- Field calibration checks
- Calibration of environmental noise monitors
- Required by many noise regulations

Overview

The CR515 Acoustic Calibrator meets ANSI S1.40:2006 and IEC 60942:2003 to Class 1, the more accurate grade. It is most suited to the Type 1 sound level meters and environmental noise monitors that NoiseMeters offers.

This calibrator is included in most of the Type 1 Noise Measurement Kits and Outdoor Noise Kits, along with the sound level meter, carrying case and software where applicable. Please refer to the sound level meter web pages for more information.

Using It

As soon as the calibrator is switched on it emits a 1 kHz tone at 94 dB. The calibrator should be pushed carefully (firmly, but slowly) on to the microphone capsule.

The meter should now be adjusted accordingly. There will often be a free-field adjustment to make for the microphone in use. So, for example, you may actually be adjusting to 93.8 dB on the meter. For meters provided by NoiseMeters this is either dealt with automatically by the meter, or is covered in the meter's User Manual.

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Specifications

Standards	IEC 60942:2003 Class 1 ANSI S1.40:2006
Type Approval	PTB-1.61-4028829 LNE-24906 CEM 140786001
Sound Level	94.0 dB ± 0.2 dB
Frequency	1 kHz ± 1%
Distortion	< 2%
Reference conditions	23°C, 101.3 kPa, 65% RH
Microphone size	½" (to IEC 1094-4)
Calibration adapter	QD7 for use with 1/4" microphone capsules
Battery type	1 x 9v (PP3, 6LR61, 6F22)
Dimensions	121 x Ø47 mm
Weight	220 g with battery
Controls	Push button start, Automatic switch off with green LED indication. User override of automatic switch off
CE classification	EN 61000-6-3:2007+A1:2011 EN 61000-6-1:2007

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Web Sites

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

Product shortcut:
https://www.noisemeters.com/p/cr515/

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