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Acoustic Calibrator - Class 2, 114 dB

Features

- IEC 60942:2003 Class 2
- ANSI S1.40:2006
- Sound pressure level 114 dB
- Frequency 1 kHz
- Fits ½" microphones

Applications

- Calibration of noise dosimeters
- Calibration check of occupational noise meter
- Field calibration checks
- Required by many noise regulations

Overview

The CR518 Acoustic Calibrator meets ANSI S1.40:2006 and IEC 60942:2003 to Class 2. It is intended for use with noise dosimeters and occupational noise meters that may require the higher calibration level.

This calibrator is included with the doseBadge Professional range of noise dosimeter kits, along with the doseBadges, charger, carrying case and software.

Using It

As soon as the calibrator is switched on it emits a 1 kHz tone at 114 dB. The calibrator should be pushed carefully (firmly, but slowly) on to the microphone.

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 113.8 dB on the meter. Meters like the doseBadge Pro make these adjustments automatically and deal with any corrections needed.

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Specifications

Standards	IEC 60942:2003 Class 2 ANSI S1.40:2006
Sound Level	114.0 dB ± 0.4 dB
Frequency	1 kHz ± 1%
Distortion	< 2%
Reference conditions	23°C, 101.3 kPa, 65% RH
Microphone size	½" (to IEC 1094-4)
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://eu.noisemeters.com

Product shortcut:
https://eu.noisemeters.com/product/cr/calibrator/cr518/

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