## Acoustic Calibrator - Class 2

Features

- IEC 60942:2003 Class 2
- ANSI S1.40:2006
- Sound pressure level 94 dB
- Frequency 1 kHz
- Fits $1 / 2$ " microphones
- Adapter available for $1 / 4$ " microphones


## Applications

- Calibration check of Type 2 sound level meter
- Field calibration checks
- Calibration of noise dosimeters
- Required by many noise regulations


## Overview

The CR514 Acoustic Calibrator meets ANSI S1.40:2006 and IEC 60942:2003 to Class 2. It is most suited to the Type 2 sound level meters that NoiseMeters offers.

This calibrator is included in most of the Type 2 Noise Measurement 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 2 |
| :--- | :--- |
|  | ANSI S1.40:2006 |
| Type Approval | PTB-1.61-4028829 |
| Sound Level | $94.0 \mathrm{~dB} \pm 0.4 \mathrm{~dB}$ |
| Frequency | $1 \mathrm{kHz} \pm 1 \%$ |
| Distortion <br> Reference <br> conditions | $<2 \%$ |
| Microphone <br> size | $23^{\circ} \mathrm{C}, 101.3 \mathrm{kPa}, 65 \% \mathrm{RH}$ |
|  | $1 / 2^{\prime \prime}$ (to IEC $\left.1094-4\right)$ |


| Calibration | QD7 for use with 1/4" <br> adapter |
| :--- | :--- |
| microphone capsules |  |
| Battery type | $1 \times 9 \mathrm{v}$ (PP3, 6LR61, 6F22) |
| Dimensions | $121 \times$ Ø47 mm |
| Weight | 220 g with battery <br> Controls |
|  | Push button start, Automatic <br> switch off with green |
|  | LED indication. User override <br> of automatic switch off |
| CE | EN 61000-6-3:2007+A1:2011 |
| classification |  |

EN 61000-6-1:2007

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Product shortcut:
https://www.noisemeters.com/p/cr514/
Tech Support:
https://support.noisemeters.com

