

# CR:514 Class 2 Acoustic Calibrator

# CR:515 Class 1 Acoustic Calibrator

For the field calibration of sound level meters to 94dB at 1kHz

## What are the CR:514 and CR:515?

The CR:514 and CR:515 are high-performance acoustic calibrators designed for the field and laboratory calibration of sound level meters and other noise measurement instruments. The units are simple to operate and meet the requirements of the IEC 60942 standard for sound calibrators, with performance to Class 2 (CR:514) and Class 1 (CR:515).

## Key features

- IEC 60942 Class 2 and Class 1 performance
- PTB Type Approval for Class 2 and Class 1
- LNE Type Approval for Class 1
- CEM Type Approval for Class 1
- 94dB sound pressure level output
- Robust case with ergonomic design

## Technical specifications

### Applicable standards

CR:514 IEC 60942:2003 Class 2  
CR:515 IEC 60942:2003 Class 1

### Type Approval

CR:515 Class 1 PTB-1.61-4028829  
LNE-24906  
CEM 140786001  
CR:514 Class 2 PTB-1.61-4028829

### Sound pressure level (re 20µPa)

94.0 dB ± 0.4dB (CR:514)  
94.0 dB ± 0.2dB (CR:515)

### Frequency

1kHz ± 1%

### Distortion

<2%

### Reference conditions

23°C, 101.3kPa, 65% RH

### Microphone size

1/2" (to IEC 1094-4)

### Calibration adaptor

QD:7 for use with 1/4" microphone capsules

### Battery type

1 x 9v (PP3, 6LR61, 6F22)

### Dimensions

121mm x Ø47mm

### Weight

220 gms with battery

### Controls

Push button stat, 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

