

CR:514 Class 2 Acoustic Calibrator

CR:515 Class 1 Acoustic Calibrator

21.5

08.01

PTB Type Approval



Overview

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 equipment.

The units are simple to operate and meet the requirements of the latest IEC 60942:2003 standard for Acoustic Calibrators with performance to Class 2 (CR:514) and Class 1 (CR:515).

Features

- IEC 60942:2003 Class 2 & Class 1 Performance
- PTB Type Approval for Class 2 & Class 1
- 94dB Sound Pressure Level Output
- Suitable for use with 1/2" microphone capsules
- Automatic power switch off with user override giving longer battery life
- Robust case with ergonomic design

Specifications

Applicable standards

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

Type approval

PTB Type Approval to DIN EN 60942:2003 Class 1 & Class 2
Reference No.: PTB-1.61.4028829

Sound pressure level (re 20µPa)

94dB± 0.4dB (CR:514)
94dB± 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

138mm x Ø47mm

Weight

220 gms with battery

Controls

Push button start, Automatic switch off with green LED indication. User override of automatic switch off

CE classification

EMC : EN50081-1, EN 50082-1
Safety EN 61010-1, 1993 portable equipment category 2