

CR:514 Class 2 Acoustic Calibrator

CR:515 Class 1 Acoustic Calibrator

Type Approved
to IEC 60942:2003



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 IEC 60942:2003 standard for Acoustic Calibrators with performance to Class 2 (CR:514) and Class 1 (CR:515).

The instruments are Type Approved for both Class 1 and Class 2 performance.

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 20 μ Pa)

94.0 dB \pm 0.4dB (CR:514)
94.0 dB \pm 0.2dB (CR:515)

Frequency

1kHz fl 1%

Distortion

<2%

Features

- IEC 60942:2003 Class 2 & Class 1 Performance
- PTB Type Approval for Class 2 & Class 1
- LNE Type Approval for Class 1
- CEM Type Approval for 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

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 \varnothing 47mm

Weight

220 gms 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



CR510/10/16/r4EN



Confidence through Compliance

Cirrus Research plc
Acoustic House
Bridlington Road
Hunmanby
North Yorkshire
YO14 0PH
United Kingdom

T: 0845 230 2434 (UK)
+44 1723 891655
F: +44 1723 891742
E: sales@cirrusresearch.co.uk
W: www.cirrusresearch.co.uk



FM 531001

EMS 552104