

# Dual-Level Acoustic Calibrator

Field Calibration for  
Sound Level Meters  
& Dosimeters

The CR:516 (Class 2) and CR:517 (Class 1) are high-performance dual-level acoustic calibrators designed for the field calibration of noise measurement equipment. Both can calibrate to either 94dB or 114dB at 1kHz, allowing you to use one instrument to calibrate both sound level meters and noise dosimeters. The CR:516 and CR:517 are incredibly simple to operate and meet IEC 60942: 2003.

## Key features:

- Simple to use
- Calibrates to 94dB and 114dB
- Calibrates both sound level meters and noise dosimeters
- Suitable for use with ½" microphone capsules
- Automatic power switch off with user override giving longer battery life
- Lightweight and ergonomic design

## Technical Specifications

|                                 |  |
|---------------------------------|--|
| Applicable standards            | CR:516 IEC 60942:2003 - Class 2<br>CR:517 IEC 60942:2003 - Class 1   |
| Sound pressure level (re 20µPa) | 94.0dB ± 0.4dB (CR:516)<br>94.0dB ± 0.2dB (CR:517)<br>114.0dB ± 0.4dB (CR:516)<br>114.0dB ± 0.2dB (CR:517)   |
| Frequency                       | 1kHz ± 1%  |
| Distortion                      | < 2%   |
| Reference Conditions            | 23°C, 101.3kPa, 65% RH   |
| Microphone size                 | ½" (to IEC 1094-4)   |
| Calibration adaptor             | QD:7 for use with ¼" microphone capsules   |
| Battery type                    | 1 x 9v (PP3, 6LR61, 6F22)  |
| Dimensions                      | 121mm x ø47mm  |
| Weight                          | 220 gms with battery   |
| Controls                        | Push button to start and set to 94dB.<br>Push again to calibrate at 114dB.<br>Automatic switch-off with green LED indication. User override of automatic switch-off. |
| CE classification               | EN 61000-6-3:2007+A1:2001<br>EN 61000-6-1:2007   |



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

Email: sales@cirrusresearch.co.uk  
Website: www.cirrusresearch.co.uk  
Telephone: 0845 230 2436  
+44 (0)1723 891 655  
Fax: +44 (0)1723 891 742

