

Applications

- **Checking of instruments:**
 - **Class 1 and class 2 with 1/2" microphone**
 - **With any frequency weighting (A, B, C, D or Z)**
 - **In field or laboratory**

Characteristics

- **Class 1 and class 2 acoustic calibrator according to IEC 60942:2003**
- **Portable and very user-friendly: a single checking frequency; 1 kHz, and a single sound level of 94 dB**
- **Automatic switch-off (to save batteries) or continuous operation.**
- **Robust, light ergonomic design.**
- **Great stability of frequency level.**
- **No need to apply corrections for static pressure and temperature.**

Accurate checking of sound level measuring equipment is essential before and after each series of measurements

CESVA sound calibrators **CB006** and **CB004** provide a cost effective yet accurate means of achieving this.

Both calibrators are portable, user-friendly instruments, which makes them ideal to check sound level meters and dosimeters on the measurement site or in the laboratory. They do not need any corrections for environmental conditions.

They may be used with any microphone suitable for closed coupler checking and of 1/2" diameter.

The **CB006** and the **CB004** generate a sound level of 94 dB (1 Pa = 1 N/m²) and use 1 kHz as testing frequency, eliminating the need for corrections due to frequency weightings, as they are unaffected at this frequency.

The **CB006** complies with norm IEC 60942:2003 class 1 and the **CB004** complies with norm IEC 60942:2003 class 2.

The **CB006** has been specially designed to test class 1 and class 2 dosimeters and sound level meters and the **CB004** to test class 2 dosimeters and sound level meters.

Both the **CB006** and the **CB004** are operated with a single button. When it is pressed, the calibrator generates a tone of 94 dB at 1 kHz.

In order to increase the battery life, the calibrator switches off automatically after 5 minutes. It also has a permanent ON mode, to enable it to be used for longer periods of time.



Certificates and standards

CB006 - IEC 60942:2003 Class 1
EN 60942:2005 Class 1

CB004 - IEC 60942:2003 Class 2
EN 60942:2005 Class 2

Pattern approval certificate issued by the German laboratory PTB Physikalisch-Technische Bundesanstalt (PTB) n° PTB-1.61-4034840, as class 1 (CB006) and class 2 (CB004) according to EN 60942:2003.

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CE mark. Complies with the low voltage directive 73/23/CEE and the directive CEM 89/336/CEE as modified by 93/68/CEE

Frequency

1 kHz \pm 1 %

Sound pressure level

94 dB re 20 μ PA (1 Pa = 1 N/m²)

Distortion

< 2%

Operating humidity

25 to 90 % Humidity

Operating static pressure

65 kPa to 108 kPa

Operating temperature

-10°C to +50°C Class 1
0°C to +40°C Class 2

Diameter cavity

1/2 "

Battery

9 V battery type 6LF22 (15 hours continuous use)

Battery indicator

Green LED (lights when the battery is OK)

Dimensions and weight

Dimensions:	• Diameter: 48 mm
	• Length: 135 mm
Weight:	185 g

The characteristics, technical specifications and accessories may be altered without prior notice