

# CB006 - CB004

## DATASHEET

D\_CB006\_CB004\_v0004\_20150203\_EN

### Acoustic calibrators

#### PRESENTATION

Accurate checking of sound level measuring equipment is essential before and after each series of measurements. **CB006** and **CB004** sound calibrators 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 may be used with any microphone suitable for closed coupler checking and of 1/2" diameter.

The **CB006** and **CB004** are operated with a single button. When it is pressed, the calibrator generates a tone of 94 dB at 1 kHz as testing frequency, eliminating the need for corrections due to frequency weightings, as they are unaffected at this frequency.

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.

#### APPLICATIONS

Checking of instruments:

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

#### CHARACTERISTICS

- Class 1 (**CB006**) and class 2 (**CB004**) acoustic calibrators according to IEC 60942:2003
- Automatic switch-off / continuous operation
- No need to apply corrections for static pressure and temperature
- Great stability of level and frequency



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#### FREQUENCY

1 kHz  $\pm$  1%

#### SOUND PRESSURE LEVEL

94 dB re 20  $\mu$ Pa (1 Pa = 1 N/m<sup>2</sup>)

#### 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

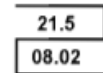
Dimensions: diámetro 48 mm

length 135 mm

Weight: 185 g

#### 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. .



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

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