Class I Decibel Meter Calibrator PCE-SC 09

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Sound calibrator for mobile use / For various evaluation filters / Accuracy IEC 942, class 1 / For microphones with different dimensions

The sound calibrator is a battery powered sound source. With the sound calibrator, direct and fast calibrations of sound level meters and other systems for noise measurement can be carried out. Sound level sensors of 1, ½ and ¼ inch can be connected to the sound calibrator and checked via the adapter attachments.

The calibration frequency for the sound calibrator is 1000 Hz. This is the reference frequency for the internationally standardized evaluation curves. With this sound calibrator you can calibrate sound measuring devices with weighting filters A, B, C, or D. The calibration pressure for this sound calibrator is 94 ± 0.3 dB (1 Pa) and 114 ± 0.3 dB (10 Pa). Thus, the sound calibrator is used in quality assurance, for example, to test sound level meters or in calibration laboratories.

- Sound pressure level 94 and 114 db
- For weighting filters A, B, C, D
- Ready for immediate use
- Accuracy class 1, IEC 942
- Easy handling
- Adapter for various microphones

Specifications

Sound pressure level	**94 dB, 114 dB**
Accuracy class	**IEC 942, class 1**
Sound level accuracy	± 0.3 dB (20°C / 68°F, 760 mm Hg)
Frequency	1000 Hz for A, B, C and D frequency weighting
Accuracy frequency	± 0.01%
Microphone size	1", 1/2" (with included adapter), 1/4" (with optional adapter)
Display	digital
Height dependency	0.1 dB per 610 m difference in height from zero level
Temperature coefficient	0 ... 0.01 dB / °C / °F
Battery status	Graphical display of the battery status
Power supply	2 x 1.5V AA batteries
Operating conditions	-10... 50°C / 14 ... 122°F 20 ... 90% r. H., not condensing
Storage conditions	-40 ... 65°C / -40 ... 149°F 20 ... 90% r. H., non-condensing (without battery)
Dimensions	100 mm x 100 mm x 75 mm / 3.9 x 3.9 x 3 in (L x W x H)
Weight	250 g / < 1 lb