



## ***Sound level meter PCE-432 and acoustic calibrator PCE-SC 09***

0232



## ***Servicies***

### **After sale services**

Ordinary and extraordinary maintenance, installation, staff training, spare parts, calibration and calibration for measuring instruments.



## Product description

### Portable Sound Level Meter with Built-In GPS PCE-432:

A first-class instrument designed for precise noise measurement and frequency analysis. This sound level meter includes an integrated GPS receiver for accurate geospatial data recording. It also comes with ISO certification for regulatory compliance. Its measurement range spans from 22 to 136 dB(A) with a frequency range of 3 Hz to 20 kHz, making it ideal for workplace noise assessment and hearing protection.

The PCE-432 complies with relevant standards, including EN/IEC 61672, ANSI S1.4-1983, ANSI S1.43-1997, and EN/IEC61260. It features a backlit display for real-time visualization of sound pressure levels, enhancing data readability.

This professional tool is equipped with a built-in data logger that stores measurements on a micro SD card, easily exportable and analyzable via USB connection to a computer using dedicated software.

The PCE-432 sound level meter finds applications in workplace noise assessment, environmental noise monitoring, evaluation of noise exposure, and implementation of hearing protection measures. It includes an Impulse function for recording brief sound events and supports customizable measurement profiles, specific limits, and various time and frequency weightings (A, C, Z) for adaptability. In summary, the Portable Sound Level Meter PCE-432 represents a comprehensive solution for noise measurement, combining precision, advanced functionality, and ease of use.

### Portable Acoustic Calibrator PCE-SC 09:

A battery-powered sound source for quick and direct calibration of sound level meters and other systems. Adapters allow for connecting and testing microphones of various sizes.

This acoustic calibrator operates at a calibration frequency of 1000 Hz, serving as a reference for international standard weighting curves (A, B, C, or D). The calibration pressure of the acoustic calibrator is  $94 \pm 0.3$  dB (1 Pa) and  $114 \pm 0.3$  dB (10 Pa), suitable for quality control and calibration of sound level meters. It is easy to use and compatible with various microphone types.



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## General Features

<b>Range</b>	22 ... 136 db(A)	<b>Allarme</b>	Adjustable
<b>Power</b>	4 x 1.5V AA batteries; 12V/1A power supply; 5V/1A USB	<b>Memory</b>	4GB micro SD card
<b>Functions</b>	LXY(SPL), LXeq, LXYSD, LXSEL, LXE, LXYmax, LXYmin, LXPeak, LXN; X - Frequency Weighting: A, B, C, Z; Y - Time Weighting: F, S, I; N - Statistics in %: 1 ... 99%	<b>Precision</b>	1st Class
<b>Frequency range</b>	3Hz ... 20kHz	<b>Standards</b>	GB/T3785.1-2010; GB/T3785.2-2010; IEC60651:1979; IEC60804:2000; IEC61672-1:2013; ANSI S1.4-1983; ANSI S1.43-1997
<b>Standards</b>	GB/T3785.1-2010; GB/T3785.2-2010; IEC60651:1979; IEC60804:2000; IEC61672-1:2013; ANSI S1.4-1983; ANSI S1.43-1997		

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