



## ***Sound level meter and acoustic calibrator PCE-430-SC 09***

0226



## ***Servicies***

### **After sale servicies**

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



## Product description

### PCE-430 Class 1 Sound Level Meter:

The PCE-430 is a professional Class 1 sound level meter designed for noise measurement and frequency analysis, including ISO certification. Featuring a large backlit display, it provides real-time indication of sound pressure levels in both numeric and graphical form. This high-quality sound level meter is engineered to meet all current regulatory requirements, including EN/IEC 61672, ANSI S1.4-1983, ANSI S1.43-1997 EN/IEC61260, and more.

One of the distinctive features of the PCE-430 is its built-in data logger that saves all measurements to a micro SD memory card. These data can be easily viewed by connecting the meter to a PC via USB. Dedicated software allows for in-depth analysis of the measurements.

This versatile tool finds common use in workplace noise measurement, ensuring compliance with regulations, environmental noise monitoring, assessing noise exposure, and implementing hearing protection measures. Additionally, the PCE-430 offers an Impulse function for recording short-duration noises and supports various options for time and frequency weighting, making it suitable for a wide range of applications. Its measurement range extends from 22 to 136 dB(A) with a frequency range of 3 Hz to 20 kHz.

### PCE-SC 09 Portable Acoustic Calibrator:

The PCE-SC 09 portable acoustic calibrator is a battery-powered sound source designed for quick and precise calibration of sound level meters and other acoustic measurement systems. This compact device comes with adapters that allow you to connect and verify microphones of various sizes, including 1", ½", and ¼".

The standard calibration frequency of the PCE-SC 09 is 1000 Hz, corresponding to the reference frequency for international standard weighting curves such as A, B, C, and D. This means the PCE-SC 09 can calibrate sound level meters configured with different weighting filters.

This precision instrument is classified as Class 1 according to IEC 942 standards, ensuring reliable and accurate calibration. The calibration pressure of the acoustic calibrator is  $94 \pm 0.3$  dB (1 Pa) and  $114 \pm 0.3$  dB (10 Pa), making it ideal for quality control applications and calibrating sound level meters.

Both the PCE-430 Class 1 Sound Level Meter and the PCE-SC 09 Portable Acoustic Calibrator are reliable, high-quality tools that meet the needs of professionals in the field of acoustic measurement and quality control.



## General Features

<b>Battery life</b>	Minimum 10 hours	<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>Sampling</b>	Standard: 48 kHz; Mode LN: 20 ms	<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>	3 Hz ... 20 kHz	<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		