

The class-1 sound level meter PCE-430

The class-1 sound level meter PCE-430 that fulfils all requirements for noise measurement.

With the latest sound level meter PCE-430 from PCE Instruments, sound level values can be measured and saved.

The compact meter measures on site in what range possible exceedances of allowed noise levels are and saves these values to the internal memory. This makes the sound level meter particularly useful for long-term studies.

A large number of people has to deal with unacceptable noise levels in their private or business environments. Noise is perceived differently and cannot be clearly defined. Noise is generally referred to as dangerous and molesting sound. As noise is a subjective concept, a sound level meter is needed to display the measured sound pressure in decibels. With this unit, it is possible to assess aircraft noise, machine noise, environmental noise and noise at the workplace and it serves as a basis for lots of guidelines and directives. For instance, the noise level at workplace must not exceed 40 dB. When or preferably before limit values are exceeded, action is required.

Class-1 sound level meters have a wide frequency range and very low deviations. For sound level measurements in environmental, laboratory and expert applications as well as for measurements in authorities, the sound level meters used are always class 1. The meter has an internal memory and the frequency spectrum can be subdivided into octave and third octave bands. The professional sound level meter PCE-430 has a measurement range of 22 - 136 db and a frequency range of 3 - 20 kHz and is therefore a class 1 device. It has an integrated data logger function for saving measured data to a micro SD card. A convenient analysis of the measured data after the measurement is possible with the software that can display the noise behavior as a graph.

The sound level meter PCE-430 that fulfils all requirements for professional noise measurement comes with an ISO calibration certificate. It fulfils all applicable class 1 standards and directives and is perfectly suitable even for demanding noise measuring tasks.

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