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Phone: +390513510702
Mail: info@comastridistribution.com

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Sound level meter with GPS (1st Class) and outdoor kit PCE-432

0235

Servicies

After sale servicies

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

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Product description

PCE-432 Outdoor Noise Measurement Sound Level Meter: This high-class sound level meter is a comprehensive solution for noise measurements in outdoor environments. With UNI EN ISO 9001 compliance included, the PCE-432 offers top-class performance to meet a wide range of measurement needs. Its Class 1 classification ensures maximum accuracy and reliability in noise measurements, making it ideal for critical applications such as environmental monitoring and workplace hearing protection.
The PCE-432 features a built-in GPS receiver, enabling precise allocation of measurement data to geographical locations. This function is particularly useful for applications that require noise monitoring at different locations or on-site documentation of measurements.
The professional sound level meter is designed to comply with all current standards and provisions, ensuring compliance with Class 1 standards such as EN/IEC 61672, ANSI S1.4-1983, ANSI S1.43-1997, and EN/IEC61260. This advanced instrument comes with a large backlit display that shows real-time sound pressure levels in both numerical and graphical forms, ensuring easy data reading even in low-light conditions.
The professional sound level meter features a built-in data logger, allowing you to store and archive measurements on an included micro SD memory card. This simplifies data access and sharing, enabling in-depth analysis of results via USB connection to a computer using the dedicated software.
Common areas of use for the PCE-432 include noise measurement in workplaces to ensure compliance with current regulations, environmental noise monitoring to assess acoustic impact in different areas, hearing protection to ensure worker safety in noisy environments, and noise exposure assessment to identify and manage hearing health risks.
The PCE-432 also offers an Impulse function for recording short-duration noises and supports customized measurement profiles, specific limits, and various time and frequency weightings (A, C, Z) for greater adaptability to different applications.
PCE-4xx-EKIT Outdoor Measurement Kit: The PCE-4xx-EKIT kit is designed to provide a complete outdoor noise measurement experience when combined with the PCE-432 sound level meter. This kit provides all the necessary tools for conducting extended and accurate outdoor measurements, even in adverse weather conditions.
At the heart of the kit is the robust waterproof Peli case with wheels, which protects the sound level meter and all components during outdoor measurements. The kit also includes two high-capacity lead-acid batteries, ensuring a minimum of 10 days of autonomy, allowing long-term uninterrupted measurements.
The case is intelligently designed to allow the use of the sound level meter while remaining closed, with external connections for the microphone and power supply. This means you can perform measurements even in rainy, snowy, or hail conditions, without worrying about the weather.
The PCE-4xx-EKIT kit also includes a range of useful accessories, including a microphone protection to prevent water and wind ingress, a metal mesh to protect the microphone from accidental damage, and a sturdy tripod for stable outdoor microphone placement.

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General Features

Battery life	Minimum 10 hours	**Range**	22 ... 136 db(A)
Allarme	Adjustable	**Power**	4 x 1.5V AA batteries; 12V/1A power supply; 5V/1A USB
Sampling	Standard: 48kHz; Mode LN: 20 ms	**Memory**	4GB micro SD card
Functions	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%	**Precision**	1st Class
Frequency range	3 Hz ... 20 kHz	**Standards**	GB/T3785.1-2010; GB/T3785.2-2010; IEC60651:1979; IEC60804:2000; IEC61672-1:2013; ANSI S1.4-1983; ANSI S1.43-1997
Standards	GB/T3785.1-2010; GB/T3785.2-2010; IEC60651:1979; IEC60804:2000; IEC61672-1:2013; ANSI S1.4-1983; ANSI S1.43-1997		