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Technical Decibel Meter PCE-322A

PCE-322A Sound Level Meter

Class II decibel (dB) meter with data-logging functionality / Measuring range: 30 ... 130 dB
/ Memory stores up to 32,700 readings / USB port / Microsoft Excel compatible / Analog
output

PCE-322A is a handheld, portable, professional Class II sound level meter or decibel meter with built-in data-logging or data-recording functionality. Thus, PCE-322A is ideal for real-time noise measurement as well as for long-term noise exposure monitoring over time. A mini tripod is included in the delivery contents, as is a wind noise suppressor. The recorded decibel readings help users determine if and what protective measures need to be taken to ensure overall health, safety and productivity in industrial, commercial, occupational, educational and residential environments. The sound level meter can also be used to evaluate acoustics for audio installations.

The sound level meter can be connected to a PC via the USB port. This allows the recorded decibel readings to be transferred to a PC for detailed analysis using Microsoft Excel or the included downloadable proprietary software. The sound level meter also features an analog output for connecting to a frequency analyzer or X-Y shaft recorder.

- IEC 61672-1 Class II sound level meter
- USB port for data transfer
- Memory stores up to 32,700 readings
- Fast and slow time weighting
- A and C frequency weightings
- Max, min, hold and alarm functions
- Date- and time-stamped measurements
- Analog output
- Heavy-duty ABS plastic enclosure
- Large, easy-to-read, 4-digit LCD screen
- Power-saving automatic shutoff > 15 min. inactivity
- Battery allows approx. 30 hours continuous use
- ISO calibration available as an option - see accessories for details

Technical specifications:

Noise levels	Low 30 ... 80 dB
	Medium 50 ... 100 dB
	High 80 ... 130 dB
	Auto 30 ... 130 dB
Dynamic range	50 dB
Display	4-digit LCD
Resolution	0.1 dB
Accuracy	± 1.4 dB
Sampling rate	2 x per second
Frequency	31.5 Hz ... 8 kHz
Storage capacity	32,700 readings
Frequency weighting	A and C
Time weighting	Fast (125 ms)
	Slow (1 sec.)
Microphone type	Electret condenser
Functions	MIN, MAX, HOLD, ALARM
Analog output	AC/DC
	Headphone
Data interface	USB port
Automatic shutdown	After 15 minutes inactivity
Operating conditions	0 ... +40 °C / +32 ... +104 °F, < 90 % RH
Storage conditions	-10 ... +60 °C / +14 ... +140 °F, 10 ... 75 % RH
Power supply	9 V block battery (for approx. 30 h continuous operation)
	AC power
Dimensions	280 x 95 x 45 mm / 11.02 x 3.74 x 1.77"
Weight	Approx. 350 g / 0.78 lb
Standards	IEC 61672-1 Class II

Please see user manual for complete technical specifications.

Delivery contents:

- 1 x PCE-322A sound level meter
- 1 x wind noise suppressor
- 1 x USB cable
- 1 x mini tripod
- 1 x calibration screwdriver
- 1 x battery
- 1 x power adapter
- 1 x carrying case
- 1 x user manual