

Decibel Meter with Calibrator PCE-322-SC42



PCE-322-SC42 Decibel Meter with Calibrator

Class II sound level 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 (dB) 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 decibel meter can also be used to evaluate acoustics for audio installations.

The decibel 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 decibel meter also features an analog output for connecting to a frequency analyzer or X-Y shaft recorder.

This PCE-322A decibel meter comes with a PCE-SC 42 acoustic calibrator. The decibel meter and acoustic calibrator are sold together as a set as PCE-322-SC42.

PCE-322A Decibel Meter

- ▶ 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)

Subject to change

PCE-SC 42 Acoustic Calibrator

- ▶ Battery level indicator
- ▶ Microphone adapter
- ▶ Selector switch for 94 dB or 114 dB

Subject to change

Specifications

PCE-322A Decibel Meter

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

PCE-SC 42 Acoustic Calibrator

Frequency	1 kHz / ±0.1%
Reference levels	94 dB and 114 dB
Accuracy	± 0.3 dB (at 20 °C / 68 °F and 760 mm Hg / 101325 Pa)
Microphone opening	1/2" and 1"
Standard	IEC 942 Class II
Power supply	1 x 9V block battery
Battery life	Approx. 100 hours
Environmental conditions	-10 ... +50 °C / +14 ... +122 °F
Storage conditions	-40 ... +65 °C / -40 ... +149 °F (remove battery beforehand)
Dimensions	Approx. 48 x 48 x 138 mm / 1.89 x 1.89 x 5.43 "
Weight	Approx. 250 g / 0.56 lb

Please see user manuals for complete technical specifications.

More information

Manual P1



Manual P2



Video



More product info



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