

Decibel Meter with Calibrator PCE-322-SC43



Class II decibel meter / Data logger / USB interface / Measuring range 30 ... 130 dB / LC display / Including software / Memory for up to 32700 measured values

The PCE-322A decibel meter is particularly suitable for measuring noise pollution in the field of industrial, health, safety and environmental monitoring. The sound level meter has a logger function, which enables the storage of up to 32700 measured values. This makes it ideal for long-term monitoring. The PCE-322A sound level meter can be connected to the PC with a USB cable. A live measurement is also possible with the sound level meter and the data can be viewed directly and evaluated. The software offers data representations in graphic formats and tables. This data can be transferred to MS Excel, for example. The data logger has an analog output and offers additional features that are unique in its class.

Class II sound calibrator with different sound pressure levels

The calibration frequency for the class II sound calibrator is 1000 Hz and is a sinusoidal shape. Compared to other calibrators, this class II sound calibrator has three adjustable sound pressure levels. 94 dB, 104 dB and 114 dB are available and can be selected by pressing a button on the class II sound calibrator. This means that an additional 104 dB sound pressure level is available. With an accuracy of ± 0.4 dB, the class II sound calibrator is particularly precise. This means that the Class II sound calibrator can be used to check sound measuring devices for their accuracy and, if necessary, to adjust them. The class II sound calibrator can optionally be equipped with an ISO certificate.

With a battery life of 50 hours, the class II sound calibrator has a particularly long operating time. The integrated automatic switch-off automatically switches off the class II sound calibrator after 20 minutes of inactivity.

PCE-322A

- ▶ Measuring range 30 ... 130 dB
- ▶ Resolution 0.1 dB
- ▶ USB interface for data transfer
- ▶ 32700 measured values can be stored (internal)
- ▶ Fast and slow time weighting
- ▶ Date and Time
- ▶ Robust ABS plastic housing
- ▶ Large LCD

PCE-SC 43

- ▶ Sound pressure level 94, 104, 114 db
- ▶ For weighting filters A, B, C and D
- ▶ Sound class 2
- ▶ Exchangeable batteries
- ▶ 1/2 inch microphone connection
- ▶ 50 hours of battery life

Subject to change

Specifications

PCE-322A

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

More information

Manual P1



Software Manual



Video



Video Manual



More product info



Similar products



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PCE-SC 43**Sound pressure level** 94 dB, 104 dB, 114 dB

Accuracy ±0.4 dB

Class 2

Frequency 1000 Hz for A, B, C and D frequency weighting

Frequency accuracy ±1.7 %

Stabilization time 10 seconds

Total harmonic distortion <3 %

Environmental conditions

Temperature influences <0.4 dB at 0 ... 40 °C / 32 ... 104 °F

Humidity influences 25 ... 90 % RH

Atmospheric pressure <0.1 dB at 65 ... 108 kPa

Stability at <60 seconds ±0.15 dB

Stability after one year ±0.35 dB

(normal use)

Operating conditions 0 ... 40 °C / 32 ... 104 °F, <25 ... 90 % RH,
non-condensingStorage conditions -20 ... 50 °C / -4 ... 122 °F, <90 % RH,
non-condensing

Automatic shutdown after 20 minutes

Power supply 2 x 1.5 V AA batteries

Battery life ca. 50 hours

Microphone size 1/2 inch

Dimensions 60 x 130 x 37.5 mm / 2.3 x 5.1 x 1.4"

Weight 400 g / 14.1 oz

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