

Condition Monitoring Vibration Meter PCE-VD 3-ICA incl. ISO Calibration Cert.



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Measures 3-axis shock / Built-in accelerometer sensor / Logs and stores up to 168,042 records / Adjustable recording interval from 50 ms ... 12 hours / Connects to PC via USB port

PCE-VD 3 is a condition monitoring vibration meter that measures 3-axis shock/vibration via a built-in accelerometer sensor. This vibration data logger records 3-axis acceleration (X, Y, Z) vibration measurement data for Fast Fourier Transform (FFT) waveform analysis. The vibration data logger connects to your PC via a USB port for configuration and for quick and easy data transfer.

The vibration data logger can be placed almost anywhere due to its lightweight design and magnetic/wall-mounting bracket. The vibration data logger has many practical applications. It can be used for monitoring vibration during shipping, machine operation and more.

Note: The PCE-VD 3 vibration data logger must be configured with a PC before it will operate. Please follow the instructions in the user manual to program the device accordingly.

- ▶ Measures 3-axis acceleration/shock
- ▶ Logs and stores up to 168,042 data records
- ▶ Adjustable interval from 50 ms ... 12 hours
- ▶ Lightweight design
- ▶ Connects to PC via USB port
- ▶ PC software provided for configuration/data transfer
- ▶ Includes magnetic bracket with wall-mounting screws
- ▶ **incl. ISO Calibration Certificate**

Specifications

Measurement range	±16 g
Accuracy	± 0.5 g
Resolution	0.004 g
Frequency range	0 ... 60 Hz
Memory	8 Mbit normal measuring mode: 168042 records motion detection: 112028 records
Measurement rate / Record interval	50 ms ... 12 hours
Power supply	1 x 3.6 V, 1/2 AA, 14250, battery
Power consumption	ca. 2.8 mA during a measurement <1.5 µA idle
Battery life	ca. 400 hours
Status display	via 2 LEDs (recording in progress / alarm)
Interface	USB
Operating conditions	0 ... 40 °C (32 ... 104 °F), 10 ... 75 % RH non-condensing
Storage conditions	-10 ... 60 °C (14 ... 140 °F), 10 ... 90 % RH, non-condensing
Dimensions of device	95 x 28 x 21 mm / 3.7 x 1.1 x 0.8"
Dimensions of wall bracket	106 x 56 x 33.5 mm / 4.2 x 2.2 x 1.3"
Weight	25 g / 0.88 oz

More information

Manual



Datasheet



More product info



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