

Accelerometer PCE-VT 1300



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Vibration meter for one-hand operation / Later analyzes thanks to data storage / Acceleration, speed and distance measurement / Battery status display / Vibration evaluation according to ISO 10816-1 / Graphic and numerical representation

The vibration meter is a measuring device for one-hand operation. This is made possible by the built-in acceleration sensor in the vibration meter. So that the measured values can be read from different angles on the vibration analyzer, the display can be rotated by the vibration meter in 0, 90, 180 and 270°.

The display of the vibration meter is designed so that all measurement parameters such as acceleration, speed and the way can be read. Another special feature of the vibration meter is the vibration evaluation according to ISO 10816-1. The vibration meter thus graphically shows directly on the display in which area the measured value is located. As a result, the vibration meter is particularly used in quality assurance, final inspection or during maintenance work.

With the 10 mm attachment from the vibration meter, a wide variety of machines can be checked for the vibration level. With the 45 mm / 1.8 in needle tip from the vibration meter, even hard-to-reach measuring points can be reached on industrial sites.

During the vibration measurement, the measured values can be saved on the vibration meter by pressing a button. After a shrinkage measurement, the recorded measurement values can be analyzed numerically and graphically directly on the vibration meter.

- ▶ For fast vibration measurement
- ▶ Display rotatable by 0°, 90°, 180° and 270°
- ▶ Data storage for later analyzes
- ▶ Carrying case included
- ▶ For mobile use
- ▶ Graphic and numerical representation

Specifications

Acceleration measurement function

Measuring range	Resolution	Accuracy
0.1 ... 199.9 m (655.8 ft) / s ²	0.1 m (3.9 in) / s ²	< 2 m (6.6 ft) / s ² < ± 10% > 2 m (6.6 ft) / s ² < ± 5%

Measuring function speed

Measuring range	Resolution	Accuracy
0.1 ... 199.9 mm / s	0.1 mm / s	< 2 mm / s < ± 10% > 2 mm / s < ± 5%

Measuring function way

Measuring range	Resolution	Accuracy
0.001 ... 1.999 mm	0.001 mm	< 0.02 mm < ± 10% > 2 mm < ± 5%

Sensor	Piezoelectric ceramics Accelerometer (shear type)
Sensor tip	10 mm / 0.4 in attachment
Frequency range acceleration	High frequency: 1 ... 15 KHz (HI) Low frequency: 20 Hz ... 1 KHz (LO)
Frequency range speed	Low frequency: 20 Hz ... 1 KHz (LO)
Frequency range path	Low frequency: 20 Hz ... 1 KHz (LO)
Display	2 in LCD
Update rate from the display	1 Hz
Maximum number of storage spaces	Approx. 100 measuring points
Maximum number of storage groups	7

Vibration assessment	According to ISO 10816-1
Power supply	2 x 1.5V AAA batteries
Environmental conditions	0 ... 40°C / 32 ... 104°F, 30 ... 90% RH
Dimensions	180 x 54 x 30 mm / 7.1 x 2.1 x 1.2 in
Weight	Approx. 250 g / < 1 lb (without batteries)

More information

More product info



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