

Accelerometer PCE-VT 1100S



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Vibration tester for vibration measurement / Measured values memory for previous measurements / Measurement of acceleration, vibration velocity and displacement / Large frequency range / Battery-operated hand-held measuring device / Automatic shutdown

The accelerometer is used as a hand-held measuring device for the individual assessment of vibration on machines and systems. With the help of this accelerometer the actual state can easily be determined on-site. Thus, corresponding changes can be made directly on site after the measurement. Thereafter, the new condition can also be assessed. Thus, the accelerometer serves as a measuring device for a relative measurement on different machines.

The accelerometer is essentially for precautionary or preventive maintenance of production machines. This accelerometer is used for rapid measurement of imbalance and for checking bearing and gear conditions. Very often, the accelerometer is also used to assess the status of smaller electric motors.

- ▶ Measures speed, distance, acceleration
- ▶ Keeps the value after every measurement
- ▶ Easy to handle and powered by batteries
- ▶ Wide frequency range
- ▶ Automatic shut-down after 20 seconds of inactivity to protect battery life
- ▶ Battery level indicator

Specifications

| Parameter | Measuring Range | Frequency Range |
|----------------------|---|-----------------|
| Acceleration | 0.01 ... 199.9 m/s ² peak | 10 Hz ... 1 kHz |
| Vibration speed | 0.01 ... 199.9 mm/s rms | 10 Hz ... 1 kHz |
| Displacement | 0.001 ... 1.999 mm p-p | 10 ... 500 Hz |
| Measurement accuracy | Acceleration: ≤ 3 % | |
| | Vibration speed: ±5 %, ±2 Digits | |
| | Displacement: +10/-20 % (10...20 Hz); ±5 % (20...1000 HZ) | |

General specifications

| | |
|--------------------------|--|
| Display | LCD, Response time approx. 1 second |
| Power supply | 2 x 6 V CR2032 button cell |
| Battery life | about 5 hours (in continuous operation) |
| Environmental conditions | 0 ... +40 °C / 32 ... 104°F, 0 ... 84 % r.H. |
| Dimensions | 155 x 24 x 18.7 mm / 6.1 x 0.9 x 0.7" |
| Weight | ca. 40 g / 1.4 oz (incl. batteries) |

More information

Manual



More product info



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