VIBRATION METER

PCE-VT 1100S-ICA



- **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**
- **incl. ISO-Calibration Certificate**

The vibration meter is used as a hand-held measuring device for the individual assessment of vibration on machines and systems. With the help of this vibration meter 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 vibration meter serves as a measuring device for a relative measurement on different machines.
The vibration meter is essentially for precautionary or preventive maintenance of production machines. This vibration meter is used for rapid measurement of imbalance and for checking bearing and gear conditions. Very often, the vibration meter is also used to assess the status of smaller electric motors.

Specification

Acceleration	
Measuring range	0,01 ... 199,9 m/s² peak
Resolution	0,01 m/s² peak
Accuracy	≤3 % of Rd
Frequency range	10 Hz ... 1 kHz
Speed	
Measuring range	0,01 ... 199,9 mm/s rms
Resolution	0.01 mm/s rms
Accuracy	±(5% of measured value +2 digits)
Frequency range	10 Hz ... 1 kHz
Displacement	
Measuring range	0,001 ... 1,999 mm p-p
Resolution	0,001 mm p-p
Accuracy	±(5% of reading +2 digits); frequency-dependent: 10 ... 20 Hz: +10 / -20% and 20 ... 1000 Hz: ±5%
Frequency range	10 ... 500 Hz

General technical data	
Measuring functions	HOLD
Display type	LCD with backlight
Response time	1 s
Operating time	5 h
Automatic power-off	20 s
Menu language	English, English (GB)
Protection class (device)	IP20
Power supply	batteries
(Rechargeable) battery	2 x 3 V CR 2032 (button cell 3V) , lithium
Capacity	220 mAh
Operating conditions	0 ... 40 °C , 0 ... 84 % RH
Storage conditions	0 ... 40 °C , 0 ... 84 % RH
Dimensions (L x W x H)	155 x 24 x 18,7 mm
Weight	40 g