

## Technical HVAC Meter PCE-VT 1100

### **PCE-VT 1100 Gravity Tester** **pocket vibration analyzer to measure vibration** **velocity in machines and installations**

The PCE-VT 1100 Gravity Tester is designed for the preventive or rather precautionary maintenance of production machines. The PCE-VT 1100 Gravity Tester is established for quick measurements of an imbalance and the examination of bearings and gears. It also is frequently used to evaluate the state of small electronic motors. In the following section, you will find classifications of the values obtained with the PCE-VT 1100 Gravity Tester.

- measures vibration velocity
- keeps the value after every measurement.
- easy to handle, powered by batteries
- wide frequency range
- automatic shut-down after 2 minutes of inactivity to protect battery life
- low battery indicator

### **Classification of results (ISO 2372)**

Attention (the classes refer to):

class I (small motors up to 15 kW),

class II (medium electronic motors up to 75 kW),

class III (large electronic motors with stator stable) y

class IV (large motors with bearing / stator oscillating).

These results are taken from at least 3 measurements on 3 axes.

### **Technical Specifications**

Range of Measurement acceleration	0,01 ... 199,9 m/s <sup>2</sup> peak
Range of Measurement speed	0,01 ... 199,9 mm/s rms
Range of Measurement displacement	0,001 ... 1,999 mm p-p

Accuracy	±5 %, ±2 Digits (20 Hz ... 1 KHz) ±10 %, ±2 Digits (10 Hz ... 20 Hz)
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Frequency Range acceleration	10 Hz ... 1 kHz
Frequency Range speed	10 Hz ... 1 kHz
Frequency Range displacement	10 Hz ... 500 Hz

Display	3.5 positions LCD display that shows the last measurement
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	value.
Battery	CR2032 Lithium Batterie X2=6 V
Auto Shut-off	automatically disconnects after 2 minutes without activity to protect battery life
Operational Temperature Range	0 ... 40 °C, < 85 % H. r.
Dimensions	150 x 22 x 15 mm
Weight	55 g

#### **Delivery contents**

- 1 x PCE-VT 1100 Gravity Tester
- 1 x carrying case
- 2 x batteries
- 1 x factory certificate
- 1 x user's manual