

PCE-VT 1000 Vibration Analyser

Pocket vibration analyzer to measure vibration velocity in machines and installations

The PCE-VT 1000 vibration analyser is designed for the preventive or rather precautionary maintenance of production machines. The vibration analyser 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 vibration analyser. If there are any questions about this vibration analyser PCE-VT1000, please have a look at the technical specification below or call: UK customers +44(0) 23 809 870 30 / US customers +1-410-387-7703. Our engineers and technicians will gladly advise you regarding the <u>vibration meters</u> or any other products in terms of <u>regulation and control</u>, or <u>scales and balances</u> of <u>PCE Instruments</u>.





- 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
- low battery indicator

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Technical Specifications

Range of Measurement (vibration velocity)

Resolution

Accuracy

Frequency Range

Display

Battery

Auto Shut-off

Operational Temperature Range

Dimensions

Weight

Delivery contents

1 x PCE-VT 1000 vibration analyser, 1 x carrying case,

2 x batteries,

1 x factory certificate,

1 x user's manual.

Classification of results (ISO 2372)

(RMS)	class I	II	111	IV
mm/s				
0.28	very good	very good	very good	very good
0.45				
0.71				
1.12	good			
1.8		good		
2.8	bad		good	
4.5		bad		good
7.1	prohibited		bad	
11.2		prohibited		bad
18			prohibited	
28 >				prohibited

0.1 ... 199.9 mm/s

10 Hz ... 1 kHz

measurement value.

2 watch batteries 1.5 V with 5 hours of continuous use

0 ... 40 °C, < 85 % H. r.

150 x 22 x 15 mm

55 g

activity to protect battery life

3.5 positions LCD display that shows the last

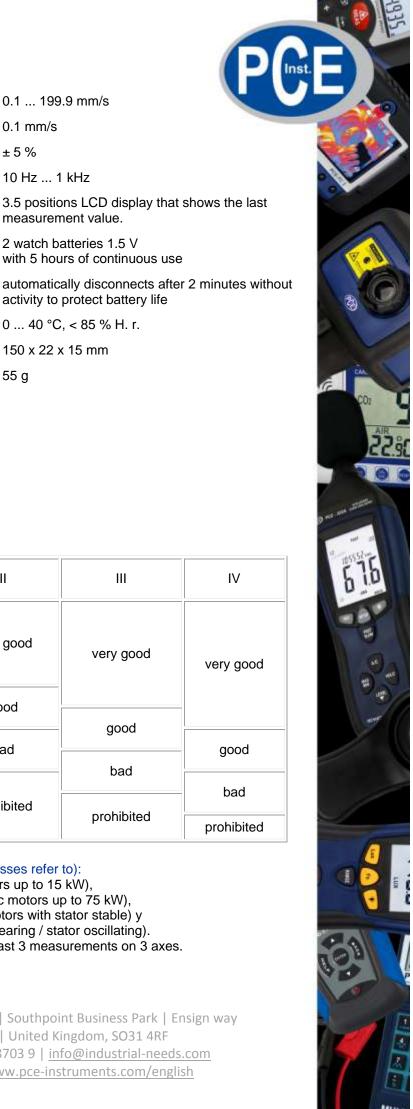
0.1 mm/s

±5%

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.

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Accessories

ISO calibration certificate

Documentation required for businesses that wish to incorporate the vibration meter into their group of internal control tools or to perform an annual recalibration. The certificate contains the manufacturer's calibration certification and a test certificate with the measurement values. The certificate also includes the applicant company's information.

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