VIBRATION METER

PCE-VD 3



- **Software included**
- **USB port**
- **Light weight**
- **Stand included**
- **Storage capacity: 8 Mbit (168042 records)**
- **Magnetic wall mount**

The PCE-VD 3 Vibration Meter is a miniaturized universal Vibration Meter with an included built-in three-axes acceleration sensor (X, Y, Z axis). The internal sensor of the PCE-VD 3 Vibration Meter measures acceleration force along the X, Y, and Z axes with a measurement range of ±16 g per axis. Since the PCE-VD 3 Vibration Meter is in motion while it is recording data, alterations are recorded for the three axes. The PCE-VD 3 Vibration Meter can be placed anywhere due to its robust and magnetic bracket. Moreover, due to its small size and lightweight, the Vibration Meter can be used for many different applications, such as shipment control, sports, medicine, or for any application requiring the recording of movements of 1 to 3 axes. The PCE-VD 3 Vibration Meter can be easily programmed through the included software. All data can be sent to a PC or laptop via the USB port easily and quickly.

Note: The VD 3 must be programmed with a PC before it will operate, follow instruction manual to setup unit.

Specification

Acceleration	
Measuring range	-16 ... +16 g
Resolution	0,004 g
Accuracy	±0.5 g

General technical data	
Frequency	0 ... 60 Hz
Display type	without display
Storage medium	Internal memory
Storage capacity	8 Mbit
Memory capacity (additional information)	normal measuring mode: 168042 memory points, motion detection: 112028 memory points
Storage interval from	50 ms
Storage interval to	12 h
Interface	USB
Operating time	400 h
Dimensions	Bracket: 106 x 56 x 33.5 mm
Protection class (device)	IP20
Connector type	USB-A
(Rechargeable) battery	1 x 3,6 V 1/2 AA 3.6 V LI-$SOCl_2$ (LS 14250) , lithium
Capacity	1200 mAh
Operating conditions	0 ... 40 °C , 10 ... 75 % RH
Storage conditions	-10 ... 60 °C , 10 ... 90 % RH
Dimensions (L x W x H)	95 x 28 x 21 mm
Weight	25 g

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