



PCE Americas Inc.  
711 Commerce Way  
Suite 8  
Jupiter  
FL-33458  
USA  
From outside US: +1  
Tel: (561) 320-9162  
Fax: (561) 320-9176  
info@pce-americas.com

PCE Instruments UK Ltd.  
Units 12/13  
Southpoint Business Park  
Ensign way  
Hampshire / Southampton  
United Kingdom, SO31 4RF  
From outside UK: +44  
Tel: (0) 2380 98703 0  
Fax: (0) 2380 98703 9  
info@pce-instruments.com

[www.pce-instruments.com/english](http://www.pce-instruments.com/english)  
[www.pce-instruments.com](http://www.pce-instruments.com)

## Technical Data Logging Instrument PCE-VD 3

### PCE-VD 3 Vibration Meter

**Vibration Meter with FFT analysis / measures axis acceleration / measurement range  $\pm 18$  g / frequency range from 0 to 60 Hz / wall bracket**

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  $\pm 18$  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.**

- Software included
- USB port
- Light weight
- Stand included
- Storage capacity: 4 Mbit (85764 records)
- Magnetic wall mount

### Technical Specifications

Measurement Range	$\pm 18$ g / 0.04 lbs
Accuracy	$\pm 0.5$ g / 0.0001 lbs
Resolution	0.00625 g / 0.0002 oz
Measurement Rate / Record Interval	1 second to 24 hours
Memory	4 Mbit (85764 records)
Frequency Range	0 ... 60 Hz

Interface	USB
Operating Conditions	0 ... 40 °C / 32 °F ... 104 °F 10 ... 90 % H.r.
Dimensions	95 mm x 28 mm x 21 mm 3.7 in x 1.1 in x 0.8 in
Dimensions of the Wall Bracket	106 mm x 56 mm x 33.5 mm 4.2 in x 2.2 in x 1.3 in
Battery Indications	By means of two LEDs (record in process / alarm)
Power Supply	Interchangeable 3.6 V lithium battery
Software	from Windows 7 (also in 64 Bit version)
Placing	by means of the stand included in the delivery

**Delivery contents**

- 1 x PCE-VD 3 Vibration Meter,
- 1 x wall bracket
- 1 x battery
- 1 x software
- 2 x screws
- 1 x instruction manual