

# VIBRATION ANALYZER

## PCE-VT 3700S



- » Automatic ISO 10816-3 evaluation
- » Easy to handle
- » For mobile vibration measurement
- » -The measurement unit can be switched between the metric system and imperial units.
- » Colored graphic display
- » Peak-hold function

The vibration meter is ideal for maintenance workers to quickly check vibrating parts, machines and systems. This vibration meter shows the vibration acceleration, vibration velocity and vibration displacement directly on the display. You can use the device to quickly and reliably detect machine imbalances which can lead to, for example, bearing damage. The vibration meter is equipped with a mode that allows a measurement according to ISO 10816-3 to be carried out. The vibration meter analyzes the measured values and automatically shows a good / bad evaluation on the display.

The vibration meter is supplied with a sensor on the spiral cable, magnet adapter, service bag and batteries. The display of the vibration meter is a colored graphic display, which makes operation easier, since all instructions and menu items are shown in plain text. The 12 languages in the menu of the vibration meter are easily switchable.

## Specification

Acceleration		General technical data	
Measuring range up to	0 ... 399,9 ft/s <sup>2</sup>	Number of measuring channels	1
Resolution	0,1 ft/s <sup>2</sup>	Measuring functions	RMS, peak, Peak-peak, Crest factor (crest factor)
Accuracy	±2 %	FFT	0
Frequency range	1 kHz ... 10 kHz 10 Hz ... 10 kHz	Frequency	10 ... 10000 Hz
Speed		Display Typ	
Measuring range up to	0 ... 399,9 km/h	Display size	2,8 Inch
Resolution	0.1 mm/s	Menu language	English (US), German, French, Spanish, Italian, Dutch, Portuguese, Turkish, Polish, Russian, Chinese, Japanese
Accuracy	±2 %	Protection class (device)	IP52
Frequency range	10 Hz ... 1 kHz	Battery capacity	2500 mAh
Path		Operating conditions	-20 ... 65 °C, 10 ... 95 %RH
Measuring range up to	0 ... 3,9 inch	Storage conditions	-20 ... 65 °C, 10 ... 95 %RH
Resolution	1 inch	Dimensions ( L x W x H )	165 x 85 x 32 mm
Accuracy	±2 %	Other dimensions	Vibration sensor Ø29 x 91 mm
Frequency range	10 Hz ... 200 Hz	Weight	239 g
Sensor		Other weights	Vibration sensor 119 g
Designation	PCE-VT 3xxxS		
Additional description	Resonance frequency: 24 kHz Cross sensitivity: Δ 5% Destruction limit: 5000 g (peak) Housing material: stainless steel Mounting thread: 1/4 - 28		
Dimension	Ø 29 x 91 mm		