

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	
Measuring range up to	0 ... 399,9 ft/s ²
Resolution	0,1 ft/s ²
Accuracy	±2 %
Frequency range	1 kHz ... 10 kHz 10 Hz ... 10 kHz
Speed	
Measuring range up to	0 ... 399,9 km/h
Resolution	0.1 mm/s
Accuracy	±2 %
Frequency range	10 Hz ... 1 kHz
Path	
Measuring range up to	0 ... 3,9 inch
Resolution	1 inch
Accuracy	±2 %
Frequency range	10 Hz ... 200 Hz
Sensor	
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: ¼ - 28
Dimension	Ø 29 x 91 mm

General technical data	
Number of measuring channels	1
Measuring functions	RMS, peak, Peak-peak, Crest factor (crest factor)
FFT	0
Frequency	10 ... 10000 Hz
Display Typ	LCD
Display size	2,8 Inch
Menu language	English (US), German, French, Spanish, Italian, Dutch, Portuguese, Turkish, Polish, Russian, Chinese, Japanese
Protection class (device)	IP52
Battery capacity	2500 mAh
Operating conditions	-20 ... 65 °C , 10 ... 95 %RH
Storage conditions	-20 ... 65 °C , 10 ... 95 %RH
Dimensions (L x W x H)	165 x 85 x 32 mm
Other dimensions	Vibration sensor Ø29 x 91 mm
Weight	239 g
Other weights	Vibration sensor 119 g