



Vibration Meter

PCE-VT 2700 / PCE-VT 2700s

for vibration monitoring



PCE-VT 2700 / PCE-VT 2700s

PCE-VT 2700 is a factory-calibrated (certificate included) portable digital battery-powered vibration meter used to monitor the radial and axial vibration of industrial machines, equipment and parts such as bearings and gearboxes.

Small and lightweight, this vibration meter features peak hold functionality. Acceleration, velocity and displacement measurements are displayed directly on the vibration meter's easy-to-read 4-digit LCD screen, making the device an especially handy inspection tool for maintenance staff and contractors in the field and on the manufacturing production floor.

- ▶ ABS plastic enclosure
- ▶ Low battery indicator
- ▶ Displays last measured value
- ▶ Includes a factory calibration certificate
- ▶ Comes with 75 mm / 2.95" long pin probe
- ▶ 1.5 m / 4.92 ft long cable
- ▶ RS-232 interface allows data transfer to PC (optional analytical software available - see accessories)
- ▶ Assists with vibration severity evaluation according to ISO 2372, BS 4675, VDI 2056 and ISO 10816
- ▶ incl. ISO Calibration Certificate

General Features PCE- VT 2700 / PCE-VT 2700s	
Measurement range acceleration:	399.9 m/s ² (Peak) / 1311 ft/s ² (Peak)
Measurement range velocity:	399.9 mm/s (RMS) / 15.75 in/s (RMS)
Measurement range displacement:	3.9999 mm (Pk-Pk) or 158.0 mil (Pk-Pk) / 0.15 in (Pk-Pk) or 5.34 oz (Pk-Pk)
Measurement range revolutions:	50 ... 99.900 rpm (reading must be multiplied by 10)
Resolution:	0.1 m/s ² / 0.1 yd/s ²
	0.1 mm/s / 0.003 in/s
	1 µm / 3.3814e-14 oz ; 1 rpm

Accuracy:	± 5% of reading + 2 digits
Frequency range acceleration:	9 Hz ... 1 kHz (in 1 kHz mode) / 9 Hz ... 10 kHz (in 10 kHz mode)
Frequency range velocity:	10 Hz ... 1 kHz
Frequency range displacement:	10 Hz ... 1 kHz
Display:	4-digit LCD, last measured value is shown
Units:	Metric or imperial
Interface:	RS-232 port
Power supply:	3 x 1.5 V AAA LR03 batteries

Battery life:	Up to 5 hours of continuous operation
Auto power off:	After 5 minutes of inactivity (no key pressed)
Low-battery indication:	< 2.1V
Operating temperature:	-5 ... 55°C / 23 ... 131°F
Operating relative humidity:	95% RH, non-condensing
Enclosure:	ABS plastic
Dimensions:	142 x 77 x 40 mm / 5.6 x 3.0 x 1.6 in
Weight:	0.23 kg / < 1 lb



Sensor for PCE-VT 2700s

Subject to change