

Condition Monitoring Vibration Meter PCE-VT 1100



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Vibration tester for vibration measurement / Measurement memory for previous measurement/ Measurement of acceleration, vibration velocity and displacement in metric units /

Large frequency range / Battery-operated hand-held measuring device / Automatic shutdown

The condition monitoring vibration meter is used as a hand-held measuring device for the individual assessment of vibrations on machines and systems. With the help of this condition monitoring vibration meter, the actual state can easily be determined on site. Thus, corresponding changes can be made directly on site after the measurement. Thereafter, the new condition can be assessed. Thus, the condition monitoring vibration meter serves as a measuring device for a relative measurement on different machines.

The condition monitoring vibration meter serves essentially as precautionary or preventive maintenance of production machines. Very often, the condition monitoring vibration meter is used to assess the state of smaller electric motors.

- ▶ Measures speed, distance, acceleration
- ▶ Keeps the value after every measurement
- ▶ Easy to handle, powered by batteries
- ▶ Wide frequency range
- ▶ Automatic shut-down after 20 seconds of inactivity to protect battery life
- ▶ Low battery indicator

Specifications

Parameter	Measuring Range	Frequency Range
Acceleration	0.01 ... 199.9 m/s ² peak	10 Hz ... 1 kHz
Vibration speed	0.01 ... 199.9 mm/s rms	10 Hz ... 1 kHz
Displacement	0.001 ... 1.999 mm p-p	10 ... 500 Hz
Measurement accuracy	Acceleration: ≤ 3 %	
	Vibration speed: ±5 %, ±2 Digits	
	Displacement: +10/-20 % (10...20 Hz); ±5 % (20...1000 HZ)	

General specifications

Display	LCD, Response time approx. 1 second
Power supply	2 x 6 V CR2032 button cell
Battery life	about 5 hours (in continuous operation)
Environmental conditions	0 ... +40 °C / 32 ... 104°F, 0 ... 84 % r.H.
Dimensions	155 x 24 x 18.7 mm / 6.1 x 0.9 x 0.7"
Weight	ca. 40 g/ 1.4 oz (incl. batteries)

Subject to change