

VIBRATION METER

PCE-VM 22



- » **Measuring range 0 ... 200 m/s²**
- » **Infrared temperature measurement**
- » **4 GB data storage**
- » **8 hours of battery life**
- » **Optionally with ISO calibration certificate**
- » **FFT analysis and wave view of the vibration**

The vibration meter has a measuring range of 0 ... 200 m/s² for acceleration. In addition to acceleration, the vibration meter can also measure speed, displacement, frequency and an ISO 18016-3 measurement. During the vibration measurement, an FFT view is simultaneously displayed on the vibration meter. By pressing a button, it is possible to switch from the FFT analysis to the actual wave view of the vibration. This makes it possible to analyse and evaluate a vibration even better with the vibration meter. The magnetic holder of the vibration sensor of the vibration meter is designed in such a way that it can be attached to curvatures with a minimum radius of 20 mm / 0.78".

In addition to the vibration measurement, the vibration meter also has an external infrared temperature sensor. With this temperature sensor, surface temperatures between -70 ... 380 °C / 158 ... 716 °F can be measured. Another measuring function of the vibration meter is the contactless speed measurement. This means that the number of revolutions of ventilation systems, for example, can be checked with the vibration meter.

The vibration meter has a 4 GB memory. The measurement data can then be transferred from the vibration meter to a PC. Free software is available to analyse the data.

Because of its many functions, the vibration meter is a universally applicable measuring tool. Thus, the vibration meter can be used, for example, for maintenance work on generators or engines.

Specification

General technical data	
Menu language	English
Power supply	Rechargeable battery: 3.7 V Mains adaptor: 5 V DC, 1 A
Connector type	Device-europlug
(Rechargeable) battery	1 x 3,7 V internal , Lithium-ion polymer battery
Capacity	1000 mAh
Operating conditions	0 ... 50 °C , 0 ... 85 % RH
Storage conditions	-20 ... 60 °C , 0 ... 85 % RH
Dimensions (L x W x H)	132 x 70 x 33 mm
Other dimensions	Vibration sensor Ø25 x 53 mm Magnetic holder Ø30 mm Infrared and RPM sensor Ø16 x 83 mm
Weight	150 g
Other weights	Vibration sensor 86 g Infrared and RPM sensor 75 g