



The new PCE-VM 22 from PCE Instruments - a functional vibration meter with tachometer and IR temperature sensor



The new PCE-VM 22 maintenance and diagnostic tool from PCE Instruments is a mobile test instrument that is ideally suited for on-site vibration analysis. With the second transducer, the RPM and surface temperatures of components can also be recorded immediately. Both transducers can be easily fixed to metallic components via magnets. The acceleration sensor itself is magnetic whereas for the non-contact measurement of speed and temperature, an adjustable holder with magnet is attached so that the optical sensors can be well aligned with the component to be tested.

The PCE-VM 22 is a compact device with a graphic display that can be easily operated on site via the device menu. The measured values are shown clearly and concisely on the display and can be saved and transferred to a computer via micro USB interface.

Various parameters can be preset for the vibration measurement. These include low or high frequency, the number of FFT lines, the number of values for averaging and if the readings are displayed in a rectangular window or a Hanning window. Route measurements can also be saved to the meter with clearly identifiable names for the routes and measurement spots.

The main characteristics of the PCE-VM 22 are:

- vibration meter for acceleration, velocity, displacement
- with averaging
- ISO 18016-3 measurement
- FFT-analysis
- waveform display
- route measurement
- infrared temperature measurement
- optical RPM measurement
- 4 GB memory capacity
- incl. free software



With the new vibration meter from PCE Instruments, not only vibration values but also RPMs and surface temperatures of components can be recorded immediately in the same device, making it particularly easy to assign them to the measuring spot and the time of measurement. This simplifies both the process of routine checks for preventive maintenance and the search for the causes of irregularities and deviations.

More information can be found here:

https://www.pce-instruments.com/english/measuring-instruments/test-meters/vibration-meter-kat_40108.htm

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