

Vibrometer CM-21

With stethoscope, pyrometer, tachometer functions

Vibration and technological parameters are the most frequently measured magnitudes for the condition monitoring applications. Multifunctional vibrometer CM-21 allows all these measurements.

CM-21 is used for periodic monitoring of vibration according to ISO 10816 in all standard frequency bands. Additionally it allows measurements of additional parameters for monitoring friction units condition in rotating machines. These are high frequency vibration levels, temperature, peak factor.

Vibration measurements (RMS, peak equivalent, peak-peak equivalent).

- displacement,
- velocity
- acceleration

Additional measurements of high frequency vibration parameters (RMS acceleration, peak, peakfactor)

Non contact temperature measurements by integrated pyrometer

The required frequency band can be selected for vibration measurements

Audio monitoring of the vibration signal, using volume control

Rotation speed measurements with external tacho

Saving all measured data and unloading to host computer

Main method of CM-21 use in the condition monitoring is periodic measurements of all equipment and machinery under monitoring. Comparing results to the standards and regulation applicable. In case of some thresholds exceed by vibration or temperature levels, the operator presents an alarm or warning signal