

VIBRATION MEASUREMENT

VIBRATION METER PCE-WVS 50

Diagnostics of rolling bearings by crest factor / 3 parameters of vibration

The PCE-WVSA 50 portable vibration meter is used to monitor, diagnose, control and solve problems related to the vibration velocity of various industrial equipment. A special and unique feature of the PCE-WVS 50 vibration meter is the possibility to work in 2 different modes: Classic vibrometer involves using the device as an indi-

cator of the overall level of vibration, measuring peak values, movement or diagnosis of rolling bearings by crest factor. This mode is useful for daily monitoring of equipment: pumps, gear-boxes, electric drives and turbines.

ISO cal option

- ▶ with magnetic mount and the possibility of mounting on the M5 stud
- ▶ high accuracy of measurements on 3 parameters of vibration
- ▶ standard USB Type-C charging connector



APPLICATION



TECHNICAL SPECIFICATIONS

vibration acceleration	max. 50 m/s ²
value of vibration velocity @ 160 Hz	35,2 mm/s
@ 10 Hz	563 mm/s
Vibration displacement	
measurement limit up to	
@ 160 Hz	100 µm
@ 10 Hz	1000 µm
Frequency range	10 ... 1000 Hz
Measurement error	5 %
Protection class IP sensor	IP 54
Power supply of the sensor	Li-Ion Battery 3,7 V; 1,5Ah
Battery life depending on the mode	approx. 3 hours
Battery Charging Connector	USB, Typ C
Charging time	approx. 2,5 hours
Operating temperature range	-10 ... +40 °C
Humidity	85 %
Overall dimensions (with magnetic fastening),	30 x 28 x 90 mm
Screen type	OLED, 0,91"
Weight	70 g



Subject to change without notice