



Bahrmann

Industrial measurement

Mobile vibration measurement

Typ 5500



Product description

The mobile vibration meter allows point-by-point diagnostic measurement of housing vibrations. This intrinsically safe meter is ideal for measuring machine vibration.

After pressing the ON button to turn the instrument on, a vibration measurement is taken: simply hold the probe tip to the machine and read the reading on the LCD display. Comparisons with a vibration severity table indicate acceptance conditions.

This economical vibration meter is operable with English or metric units. Pressing and holding the ON button "freezes" the reading, allowing the instrument to be removed from the measurement point without losing the reading. Power is supplied by a standard 9V battery.

The instrument housing is made of high impact polymer. A carrying case with belt loop and battery are included. Optional accessories include a 10" probe extension for hard-to-reach areas and for measuring vibration from exposed shafts.

Measurement on

- Motors
- Drives
- Generators
- Large pumps
- Compressors

Benefits

- Measurement also in hazardous areas due to intrinsically safe measuring device design
- Easy handling
- Fast detection of maximum vibrations on equipment

Features

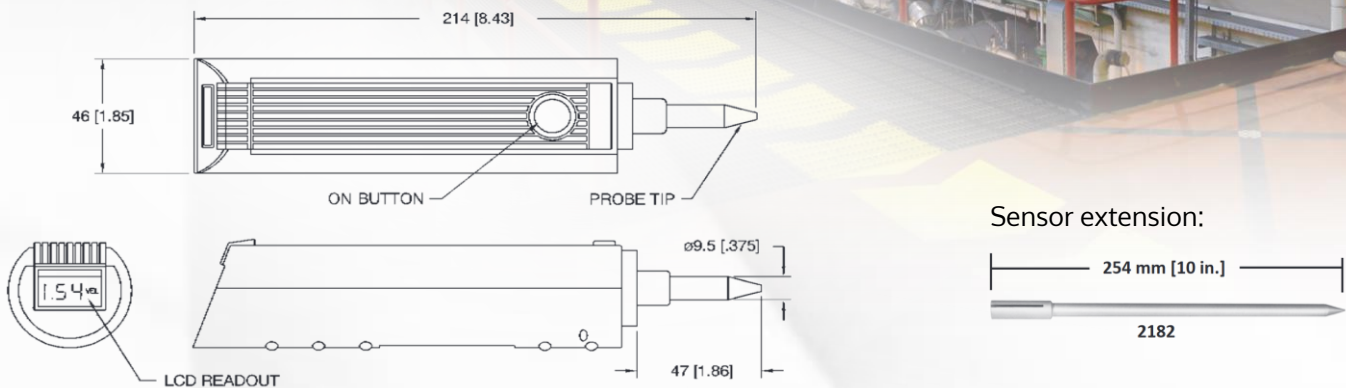
- Robust vibration meter for measuring the vibration velocity on housing surfaces
- Easy contacting with integrated test probe
- Mains-independent battery operation
- Wide frequency range from 10 Hz to 1000Hz
- Highly visible LCD display with 'freeze' function of the display value and automatic switch-off
- Optional test probe with 254 mm length for poorly accessible measuring points
- With ATEX approval (Ex ia)

Technical data



Characteristic	Technical values
Battery	(Alkaline) Dry Cell 9V
Frequency range	10 Hz...1000 Hz
Accuracy	(for max. measuring range) ≤ 5%
Deviation with measurement repetition	≤ 2 %
Measuring ranges (factory-supplied)	2 ips, pk 2 ips, RMS 50 mm/s, pk 50 mm/s, RMS
Temperature range (operation)	-10°C....+70°C
Weight	1.2 kg

Drawing



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