

VB40 Vibration Meter

On the spot vibration meter for assessing equipment health or conducting maintenance

Features:

- **Ranges**
 - Acceleration (RMS):** 0.1 to 199.9m/s²; 655.8ft/sec²; 20.3g
 - Velocity (RMS):** 0.1 to 199.9mm/s, 7.87in/s; 2.00cm/s; 200mm/s
 - Displacement:** 0.001 to 1.999mm
- **Wide frequency ranges (2):** 10Hz to 1KHz (LO) and 1KHz to 4KHz (HI)
- Resolution to 0.1m/s²; 0.1mm/s
- Basic accuracy of $\pm(5\% + 2 \text{ digits})$
- **LCD Auto-screen rotation:** screen automatically adjusts its orientation based on the device's physical orientation
- **Data Storage:** Store and View Files/ Manual Recall - 500 Total Readings (5 groups of 100 readings per group)
- Machine Level Setting allows for user setting baseline or reference level for vibration on a particular machine.
- Worklight for working in dimly lit areas.
- Selectable Auto Power Off (APO) Time of 0 to 9 mins.
- Battery Life Indicator
- Optional model includes certificate of traceability to N.I.S.T.
- Complete with short probe (installed on meter) and long probe sensor attachment, (2) 1.5V x AAA batteries, and a hard carry case

Applications:

Predictive Maintenance, Structural Health Monitoring, Motors and Bearing Analysis, Mining and Construction, R&D, Aerospace, Automotive, Quality Control, Fans, Pumps, Chillers, Air Compressors, Blowers, Machine Tools and many more.

Specifications

Sensor Type	Piezoelectric Ceramic Accelerometer (Shear Type)
Measurement Range (Depth Detection)	Acceleration (RMS): 0.1 to 199.9m/s ² Velocity (RMS): 0.1 to 199.9mm/s Displacement: 0.001 to 1.999mm
Basic Accuracy	$\pm(5\% + 2 \text{ digits})$
Frequency Range (Acceleration)	10Hz to 1KHz (LO) and 1KHz to 4KHz (HI)
Frequency Range (Velocity/Displacement)	10Hz to 1KHz (LO)
Display	Color TFT Display (Auto- Rotate)
Power	(2) 1.5V AAA Batteries
Dimensions	7.0" x 2.0" x 1.2"
Weight	5.3oz (with batteries)

Ordering Information:

VB40	Vibration Meter
VB40-NIST	VB40 with Certificate of Traceability to N.I.S.T.

