

# ECONOMICAL VIBRATION METER

## MONITORS MACHINERY TO DETERMINE MAINTENANCE NEEDS

### HHVB82

HHVB82 shown smaller than actual size.

- ✓ rms or Peak Vibration Readings from 10 Hz to 1 kHz
- ✓ Measures Acceleration Up to 200 m/s<sup>2</sup>
- ✓ Measures Velocity Up to 200 mm/s
- ✓ Auto Shut-Off Function Extends Battery Life
- ✓ Built-In Tilt Stand
- ✓ Reading Hold
- ✓ Stores Minimum and Maximum Readings with Pushbutton Recall
- ✓ Vibration Sensor with Magnetic Mount Included

Poor balance, worn bearings, misalignments, and loose fittings in the structure will increase a machine's vibration levels. By monitoring vibration, a user can determine when machinery needs maintenance. The HHVB82, with its magnetic mount vibration sensor, is ideal for such applications.



Comes complete with 9V battery, vibration sensor, cable, magnetic base, rugged case and operator's manual.

**Display:** 3½ digit display  
**Meter Dimensions:** 185 H x 78 W x 38 mm D (7.3 x 3.1 x 1.5")  
**Sensor Dimensions:** 16 D x 29 mm H (0.6 x 1.4")  
**Meter Weight:** 274 g (0.6 lb)  
**Sensor Weight:** 38 g (0.08 lb)

### SPECIFICATIONS

**Acceleration Range:** Up to 200 m/s<sup>2</sup>

**Velocity Range:** Up to 200 mm/s

**Frequency Range:** rms or peak vibration readings (peak value = 1.414 rms value), 10 Hz to 1 kHz; sensitivity meets ISO 2954

**Functions:** Auto-off (after about 20 min), reading hold, minimum and maximum storage

**Accuracy:** ±5% + 2 digits reading; 160 Hz, 80 Hz @ 23 ±5°C (73 ±9°F)

**Calibration Point:** Velocity 50 mm/s (160 Hz), acceleration 50 m/s<sup>2</sup> (160 Hz)

**Operating Temperature:** 0 to 50°C (32 to 122°F)

**Operating Humidity:** <80% RH (non-condensing)

**Power:** 9V alkaline battery (included)

**Sampling Time:** Approximately 1 s

SENSITIVITY RELATIVE TO REFERENCE SENSITIVITY @ 80 HZ, ACCORDING TO ISO 2954			
FREQUENCY (Hz)	RELATIVE SENSITIVITY		
	NOMINAL VALUE	MINIMUM VALUE	MAXIMUM VALUE
10	1.0	0.8	1.1
20	1.0	0.9	1.1
40	1.0	0.9	1.1
80	1.0	1.0	1.0
160	1.0	0.9	1.1
500	1.0	0.9	1.1
1000	1.0	0.8	1.1

To Order	
MODEL NO.	DESCRIPTION
HHVB82	Vibration meter

Comes complete with 9V battery, vibration sensor, cable, magnetic base, rugged case and operator's manual.

**Ordering Example:** HHVB82, vibration meter with magnetic sensor and case.