

Pocket-size Vibration Meter Model SH2000



Please request a quote for pricing.

Applications:

- Motors
- Fans
- Pumps
- Compressors
- Turbines
- Natural Gas Engines
- Piping Vibration
- Accuracy Verification of Installed Shutdown Switches and Monitoring Systems

HOW TO SELECT- Model SH2000

SH2000	-	A	B	C
SH2000	-	0	0	1

A = Scope of Supply	
0	= Standard (includes meter, soft case, accelerometer with integral cable, magnetic base, stinger, users manual)

B = Certifications/Hazard Area Rating	
0	= CE marked and Ex ib IIB T6 certified by Vostnee

Compact and simple to operate, this economical vibration meter is an ideal tool for obtaining spot measurements of machinery vibration. The meter fits in a shirt pocket yet functions like units many times its size.

All three useful measurements are possible. Displacement, velocity, and acceleration modes allow a user to perform basic vibration analysis.

The robust high temperature accelerometer sensor has a removable magnetic mounting base for attachment of a stinger. The sensor is internally protected against thermal shock, electrical noise and amplitude overload.

The handy carrying pouch keeps the meter out of the way, yet ready for use. When it's time to take a reading, simply place the accelerometer on your machine and tilt the pouch up to view display.

Features:

- Accurate, peizo-electric accelerometer sensor
- LCD readout in acceleration, velocity and displacement
- Sensor , cable rated 250°C (482°F)
- 9V battery included
- Certified intrinsically safe
- True RMS detection

C = Frequency Range/Calibration	
1	= Standard Freq. Range, English: Peak units for acceleration and velocity. Pk-pk displacement
2	= Low Freq. Range, English: Peak units for acceleration and velocity. Pk-pk displacement
3	= Standard Freq. Range: Metric: RMS units for acceleration and velocity. Pk-pk displacement
4	= Low Freq. Range: Metric: RMS units for acceleration and velocity. Pk-pk displacement

SPECIFICATIONS	
Function:	Portable, hand held vibration indicator. Vibration level on LCD display.
Sensor and cable:	-Piezoelectric accelerometer -25,000 g shock limit -30 Khz resonance -Stainless steel housing -Integral low noise 1.2 M (48 in.) cable with strain relief at sensor & meter ends.
Selectable Measurements	(metric versions): -Acceleration: g, pk (m/s ² , RMS) -Velocity: ips, pk (mm/s, RMS) -Displacement: mils, pk-pk (um, pk-pk)
Frequency Response:	Standard (C=1 or 3 in How To Select): -Acceleration: 10 to 10,000 Hz -Velocity: 10 to 1000 Hz -Displacement: 10 to 300 Hz Low Frequency Option (C=2 or 4): -Acceleration: 5 to 10,000 Hz -Velocity: 5 to 1000 Hz -Displacement: 5 to 300 Hz
Vib. Ranges:	(metric versions w/ C=3 or 4): Acceleration: 0.1 - 50.0 g (1 - 500 m/s ²) Velocity: 0.01 - 5.00 ips (0.1 - 50.0 mm/s) Displ.: 0.1 - 50.0 mils (1 - 500 um) Error: less than 5% of full scale
Service Temperature Limits:	Meter: 0° to +50°C (+32° to +122°F) Accelerometer & Cable: -30° to +250°C (-22° to +482°F)
Environmental & Hazard Ratings	-CE mark (for electro-magnetic compatibility) -Intrinsically safe certified Ex ib IIB T6
Power:	-Dry Cell is 9 VDC GP10A type (included) -Low battery warning indicator on LCD

Changing the Battery

CAUTION: Replace the battery only in a nonhazardous area! Replacing the battery while in a hazardous area could result in ignition of flammable gases by the spark created when the battery is disconnected or RECONNECTED!