

DIGITAL VIBRATION METER

MECHANICAL TOOLS & EQUIPMENTS

VB-160

Vibration Tester can display the parameters of “Displacement”, “Velocity” and “Acceleration” simultaneously; Applied to the periodic motion measurements to detect moving mechanical imbalances and misaligned. Designed for on-site measuring various mechanical vibration, for quality control, running time and prior equipment maintenance data. Selection of high-performance accelerometers to achieve accurate, replicable measurement It has a bearing condition measurement function.

Features

- Can display the parameters of “Displacement”, “Velocity” and “Acceleration” simultaneously.
- In accordance with ISO 2954, used for periodic measurements, to detect out-of-balance, misalignment and other mechanical faults in rotating machines.
- Specially designed for easy on site vibration measurement of all rotating machinery for quality control, commissioning and predictive maintenance purposes.
- Individual high quality accelerometer for accurate and repeatable measurements.
- Wide frequency range (10Hz ~ 10kHz) in acceleration mode.
- AC output socket for headphones and recording.
- Optional headphones for use as electronic stethoscope.
- Bearing condition monitoring function.
- Use “USB data output” with connection PC



VB-160 set with package



VB-160 with all sensors

Ordering Information

Standard Accessories:

- Operation manual
- Magnetic suction seat
- Spherical Probe
- Host
- Carry case
- Cone Probe
- Piezoelectric Sensor

Optional Accessories:

- Headset
- USB Data output

Specifications

MODEL	VB-160
Transducer	Piezoelectric accelerometer
Accuracy	±5%+2 digits
Measurement Range	Displacement : 0.001-4.000mm equivalent peak-peak / 0.04-160.0 mil Velocity : 0.01-400.0 mm/s true RMS / 0.000-16.00 inch/s Acceleration : 0.1-400.0 m/s equivalent peak / 0.3-1312 ft/s / 0.0-40g
Frequency Range	Frequency: 1~20,000Hz Displacement : 10Hz. ~ 1kHz. Velocity : 10Hz. ~ 1kHz. Acceleration: 10Hz. ~ 10kHz.
Operating Conditions	Temperature : 0-50°C Humidity : below 95% RH
Analogue Output	AC output 0~2.0V peak full scale (load resistance: above 10k)
Power Supply	4x1.5vAA (UM-4) Battery
Size	140*70*30 mm.
Weight	130g (Not included Batteries)