

The Tekneka VB10 vibration meter is a powerful, compact device designed to measure vibration levels in terms of acceleration (ACC), velocity (VEL), and displacement (DIS). This reliable instrument can be used in multiple applications by switching from a magnetic base to cone stingers. To minimize handling errors, the device can be connected to a remote switch for accurate and consistent readings. The VB10 is simple to operate with its one-button functionality, allowing users to take measurements and navigate other parameters easily. Its rugged aluminum body makes it highly suitable for on-site operations.

Features

- **Frequency Range:** 10Hz to 1kHz range ensures precise detection of normal machinery vibrations
- **Accurate Measurement:** Measures Velocity (RMS), Displacement (pk-pk), and Acceleration (pk) for comprehensive analysis
- **Device Power:** Features auto power-off function and operates on a 1/2 AA 3.6V battery, providing up to 100 hours of continuous use or approximately 4,000 measurements
- **Hold Function:** Retains the last measurement after releasing the “Measure” button for easy data recording
- **Magnetic Probe:** A strong Ø25mm magnetic base for secure attachment to objects
- **Stringers Base:** Includes a L: 56mm and 15mm extension for measurements in hard-to-reach areas
- **External Trigger:** Push or slide the button for continuous measurement, reducing uncertainty and minimizing errors



Applications

The VB10 vibration meter is used in various industrial applications to monitor and diagnose machinery conditions. Additionally, it's useful for monitoring buildings, HVAC systems, rotating equipment, power plants, and even in marine and aerospace applications, ensuring everything operates safely and efficiently.

Package Includes

- 1/2 AA 3.6V battery
- Magnetic probe with protector
- 2 x Stringer probe cones
- Remote switch
- Device case
- Carrying case



Ordering Info

VB10..... Vibration Meter Kit

Description	Ranges	Resolution	Accuracy
Acceleration	0.60 ~ 50m/s ²	0.01/0.1m/s ²	±10% (10Hz ~ 1kHz)
Velocity	0.40 ~ 50mm/s	0.01/0.1mm/s	±5% (10Hz ~ 1kHz)
Displacement	10 ~ 500µm	0.1µm	±10% (20Hz ~ 500Hz)
Linear Accuracy	@80Hz ±5%±2D		

General Specifications	
Measurement	Velocity, Acceleration, Displacement
Sensor Type	Accelerometer
Display	4 digits LCD
Frequency Range	10Hz ~ 1kHz (as per ISO 2954)
Data Hold	Auto
Remote Switch	Yes
Auto Power Off	40s
Built Material	Aluminum
Operating Condition	0 ~ 50°C, <85%RH
Battery	1/2 AA 3.6V
Package Dimension	230 x 177 x 45mm
Device Dimension	160 x 25 x 17mm
Weight	Net: 120g/Gross: 972g