GENERAL®

3-Axis USB Vibration / Acceleration Data Logger

Ideal for assessing the health and diagnosing performance problems of rotating machinery.

Slight changes in the axial accelerations of a motor over time can reveal whether the motor is running efficiently and even indicate whether it may fail in the future.

The VB10 uses three components to collect and present vibration data: 1) a memory stick-sized USB data logger containing three precision accelerometers; 2) a pedestal for mounting the logger on an operating piece of equipment; and 3) a powerful Windows-compatible graphics application. Once the logger has been dismounted, plugging it into a computer's USB port automatically imports hours of vibration, motion and tilt data to the application.

No. VB10

Features:

- Mountable memory stick (data logger) uses three accelerometers to precisely measure acceleration of operating equipment on x, y and z axes

- Data logging software supplied on mini-disc stores up to 327,600 data points in flash memory

- One button starts/stops data logging without a PC

- Plug-and-play USB 2.0 interface; no need for cables, cradles or docks

- Mounting pedestal with magnets and three screw holes

- PC interface/analysis software can download recorded data or acquire real-time data or real-time frequency data

- Software is used to set system clock, operating mode (normal, time-triggered or motion measuring), sampling rate and axial high/low alarm thresholds

- Powerful analysis modes include Fast Fourier Transform frequency conversion and time-domain analysis

- One-click exporting of tabular data to .txt file or graph to printer

- Red and green LEDs indicate device status (recording, not recording, battery low, memory full)

- Powered by high-capacity, long-life, non-rechargeable Li-ion battery

The VB10 logging the vibration of a small motor

3-Axis USB Vibration / Acceleration Data Logger

Specifications:

Acceleration Range / Accuracy:
-16g to 16g / ±0.5g (typical)

Frequency Range: 0 to 60Hz

Data Logging Capacity:
327,600 data points in 16MByte flash memory

User-selectable Sampling Time:
50ms to 24hours

Interface: USB 2.0

Software Compatibility:
Windows XP/Vista/WIN7/WIN8

Maximum Continuous Logging Time:
60 hours

Operating Temperature:
32° to 113°F (0° to 45°C) @5 to 95%RH

Dimensions (including pedestal):
4.45 x 2.13 x 1.28 in. (113 x 54 x 32.5mm)

Weight (without battery): 2.6 oz. (73.5g)

Power Source:
3.6V / 1200mA Rechargable lithium battery

Includes:

USB memory stick (data logger), mounting pedestal, Windows-compatible PC interface / graphics / analysis application on mini-disc, USB extension cable, user's manual, battery, warranty

No. VB10

The setup screen of the "Shock" interface/graphics/analysis program

A typical 3-axis vibration data log

1 Year Limited Warranty
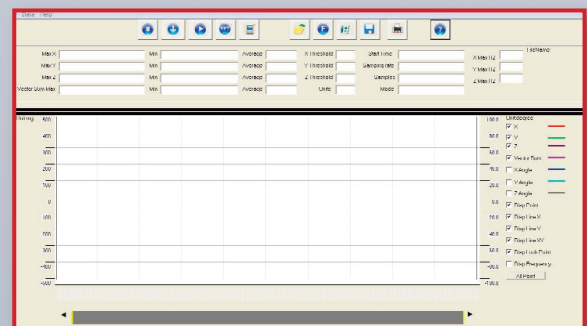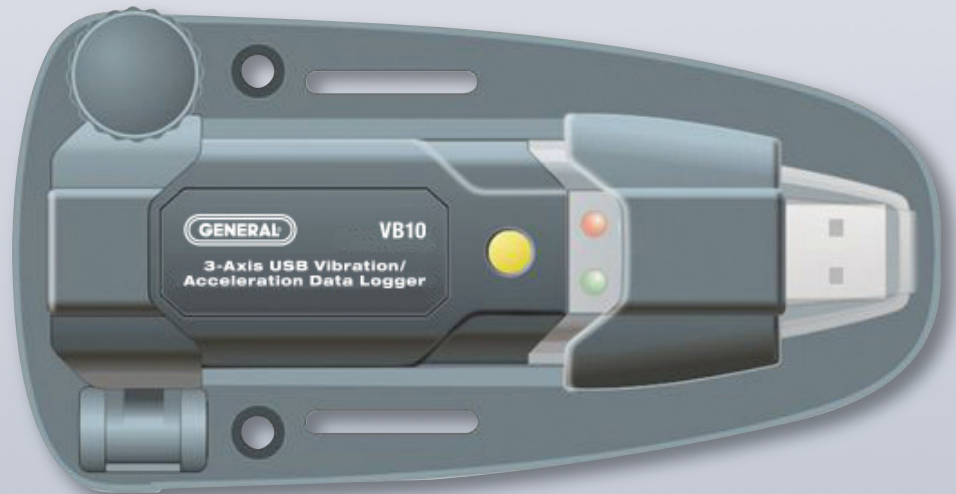
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