



3-Axis USB Vibration/ Acceleration Data Logger



OM-VIB-101

All models shown smaller than actual size.

OM-VIB-101



OM-VIB-101 and mounting pedestal (included).

- ✓ Mountable Data Logger Uses Three Accelerometers to Precisely Measure Acceleration of Operating Equipment on X, Y and Z Axes
- ✓ 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
- ✓ 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, Low Battery, Memory Full)
- ✓ Powered by High-Capacity, Long-Life, Non-Rechargeable Li-Ion Battery (Included)
- ✓ Includes Mounting Pedestal with Magnets and Three Screw Holes

The OM-VIB-101 is 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 a motor is running efficiently and even indicate whether it may fail in the future. The OM-VIB-101 uses three components to collect and present vibration data:

- 1) Memory stick-sized USB data logger containing three precision accelerometers
- 2) Pedestal for mounting the data logger on an operating piece of equipment
- 3) 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.



Specifications

Acceleration Range: -16 to 16 g

Accuracy: ±0.5 g typical

Frequency Range: 0 to 60 Hz

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

User-Selectable Sampling Time: 50 ms to 24 hours

Interface: USB 2.0

Software Compatibility: Windows® XP/Vista/7/8

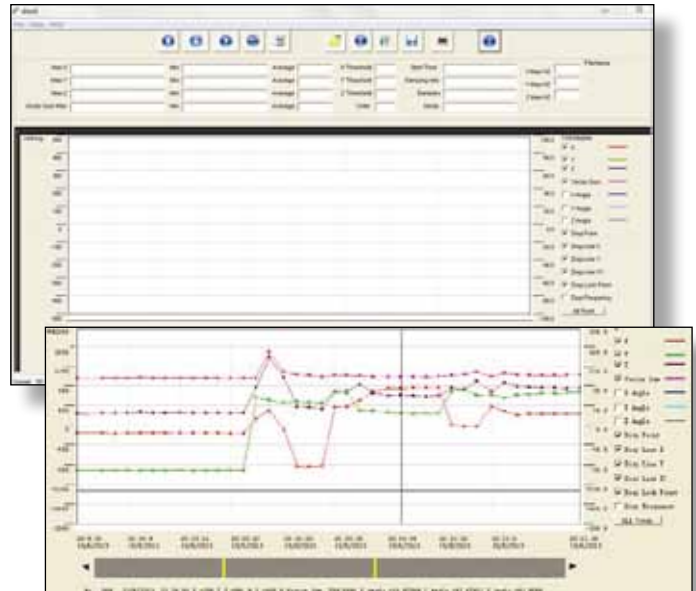
Maximum Continuous Logging Time: 60 hours

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

Power Source: 3.6V/1200 mA rechargeable lithium battery (included)

Dimensions (Including Mounting Pedestal):
113 L x 54 W x 32.5 mm D (4.45 x 2.13 x 1.28")

Weight (Without Battery): 73.5 g (2.6 oz)



Windows compatible software shows data in graphical or tabular formats (vibration data screen shown).



OM-VIB-101 in mounting pedestal (included) on a small motor.



OM-VIB-101 mounting pedestal (included).



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OMEGACARESM extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARESM covers parts, labor and equivalent loaners.

To Order	
Model No.	Description
OM-VIB-101	3-axis USB vibration/acceleration data logger
OM-EL-BATT	Replacement 3.6V lithium battery

Comes complete with Windows software on CD, protective cap, mounting pedestal, USB extension cable, Li-Ion battery and user's manual.
Ordering Example: OM-VIB-101 3-axis USB vibration/acceleration data logger and OCW-1, OMEGACARESM extends standard 1-year warranty to a total of 2 years.