



# 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

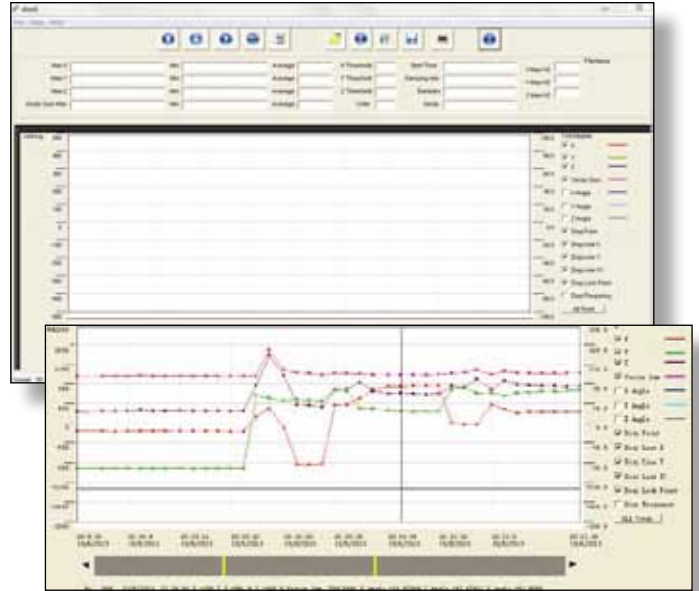
**Maximum Continuous Logging Time:** 60 hours

**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).



OM-VIB-101



OMEGACARE<sup>SM</sup> extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARE<sup>SM</sup> 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, OMEGACARE<sup>SM</sup> extends standard 1-year warranty to a total of 2 years.