



Wireless Vibration Transmitter

OMWT-VIB

Starts at
\$145



OMWT-VIB, \$145, shown actual size.

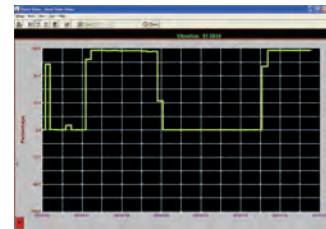


- ✓ Transmits up to 180 m (600')*
- ✓ Digital Broad Range Vibration Measurement via Internal Weighted Accelerometer
- ✓ 64-Bit Unique ID
- ✓ Up to 100 Sensors Can Coexist
- ✓ Compact ABS Enclosure
- ✓ Complies With Part 15 of the FCC Rules
- ✓ Internal Loop Antenna

The OMWT-VIB Wireless Vibration Transmitter is a battery operated digital vibration sensor with a microprocessor controlled 418 MHz FCC certified radio transmitter. This transmitter is useful in applications that need to sense when vibration is present or not or exceeds a threshold, e.g., to determine whether or not an engine is running. The OMWT-VIB has an on board time of day clock that allows it to spend most of the time in a low power quiescent state. At pre-determined time intervals the clock will wake up the onboard microprocessor. Unique serial number information and digital vibration data is combined with a CRC-16 error check and transmitted in a very short data packet that results in a transmitter on time of only 15 milliseconds. This architecture allows the OMWT-VIB to consume very low energy resulting in a battery life of up to 2 years.

The electronics are coated with a conformal rubber material that provides a moisture barrier against condensation. Submersion in water is not recommended. An integral pushbutton is used to activate the service switch. The OMWT-VIB is shipped with the transmitter turned off (anytime the device is to be shipped the transmitter should be turned off or must be placed in a shielded container to prevent interference that might cause shipping problems).

Using the OMWT Series Windows® software incoming data being received from OMWT Series Wireless Transmitters can be viewed in a real-time or historical time-base chart or numerical view. High/low alarms can also be set for each transmitter signal with either a visual or audible alarm indication on the PC. Data can also be logged to disk at a user-specified rate in a text file format that can be opened up into Microsoft Excel. The OMWT Series Windows software also includes a DDE Server that can interface the data being received from OMWT Series Wireless Transmitters to other Windows software packages.



OMWT-SOFT displays real-time historical chart or numerical data, \$100. Laptop not included.

SPECIFICATIONS

- Vibration Range:** Not a calibrated range (transmits a value of 0 to 100%)
- Transmission Frequency:** 418 MHz
- Transmission Range*:** Up to 180 m (600')
- Transmission Rate:** 30 to 37 sec
- Operating Temperature:** -40 to 85°C (-40 to 185°F)
- Storage Temperature:** -40 to 85°C (-40 to 185°F)
- Humidity:** 10 to 90% RH non-condensing
- Battery:** 3.6V, lithium battery (included)
- Battery Life with Transmissions:** 2 years
- Shelf Life with Battery Installed:** 4 years in quiescent mode
- FCC Certified:** FCC ID: M5ZVM1
- Dimensions:** 38 H x 53 W x 15 mm D (1.5 x 2.1 x 0.6")
- Weight:** 43 g (1.5 oz)

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

MODEL NO.	PRICE	DESCRIPTION
OMWT-VIB	\$145	Wireless vibration transmitter
OMWT-REC232	222	Wireless receiver and 1.8 m (6') RS232 cable with DB9F termination
OMWT-SOFT	100	OMWT Series Windows® software (WIN 2000/XP)
OM-NOMAD-BATT	12	Replacement 3.6V lithium battery

Comes complete with 3.6V lithium battery and operator's manual.

* Depending on environmental conditions.

Ordering Example: OMWT-VIB wireless vibration transmitter, OMWT-REC232 wireless receiver and OMWT-SOFT Windows software, \$145 + 222 + 100 = \$467.