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.

**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)

**To Order (Specify Model Number)**

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

Available for fast delivery!

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

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

* Depending on environmental conditions.

OMWT-REC232 displays real-time historical chart or numerical data, $100. Laptop not included.