

# AssetWatch Vibration Analysis



## AssetWatch Vibration Analysis

- Triaxial accelerometer and temperature sensor
- Capable of multiple sensor readings per day

- Ability to invoke manual readings
- Ability to change sample size and frequency

## VERO-VT-02 (WIRELESS SENSOR)



### MECHANICAL SPECIFICATIONS

Sensor Module Height: 2.64" [67mm]  
Sensor Module Diameter: 1.6" [42mm]  
Sensor Module Weight: 5.8oz [165g]

#### Mounting Methods:

Magnet, epoxy, or threaded studs  
Stud dimension: 1/4-28 UNF tapped hole  
Ruggedized enclosures  
Corrosion resistant  
Aluminum-plated base

### HARDWARE SPECIFICATIONS

Bluetooth Low Energy (2.4 GHz)

Battery 3.6V, Li-SOCl2

#### Maximum output power

6.3mW (8dBm)

### SENSOR DATA

#### Triaxial Accelerometer

Mechanical response: 8.2kHz (x), 8.5kHz (y), 5.6kHz(z)  
Measurements up to +/-64g, 16-bit @ 25.6kHz sample rate  
Fmax: 12.5Hz - 12.8kHz  
Lines of Resolution 256-8192 (4096 default)  
Bin Width Range: 0.049 - 3.125 Hz

#### Temperature Sensor

Measurement Range: -40°C to +125°C (-40°F to +257°F)  
Accuracy of +/- 1°C

### ENVIRONMENTAL AND REGULATORY

Ingress protection (IP68)  
Temperature Operation: -40°C to +85°C (-40°F to +185°F)  
FCC Part 15 • CE • RoHS Compliant

## VERO-HB-02 (HUB)



### MECHANICAL SPECIFICATIONS

Hub Height: 1.23" [31mm]  
Hub Width: 3.34" [85mm]  
Hub Depth: 3.34" [85mm]  
Hub Weight: 4oz [113g]

### HARDWARE SPECIFICATIONS

Wi-Fi Available  
(LTE Hotspotting available)  
Hardware for PLC integration  
Hardware for hardwired ethernet connection  
Wi-Fi 4, operates at 2.4 GHz  
WPA2 with AES encryption  
Bluetooth Low Energy (2.4 GHz)  
5 - 12VDC input (Hub)  
Less than 1W nominal power draw

#### Maximum output power

6.3mW (8dBm) for BLE  
40mW (16dBm) for Wi-Fi

### ENVIRONMENTAL AND REGULATORY

Ingress protection (IP65)  
Temperature Operation: to -40°C to +70°C (-40°F to +158°F)  
FCC Part 15 • CE • RoHS Compliant

✓ Hazardous Location Sensor available for C1D1, C1D2, C2D1, and C2D2 environments

✓ Hazardous Location Hub Enclosure available for C1D2 and C2D2 environments

