

Sensor & Hub

Highlights

- Full spectral vibration and temperature sensor
- Bluetooth Low Energy between Hub and Sensor Module
- Multiple sensor readings per day
- Ability to invoke manual readings
- Ability to change sample size and frequency
- Dust and water resistant enclosures (IP67)
- Corrosion resistant
- Magnet, epoxy, or threaded studs
- Plated nickel base (sensor)

Environmental and Regulatory Qualifications

- Drop test to 1m for Sensor
- Ingress protection (IP67) for Sensor
- Temperature Operation to -40°C to +70°C (-40F to +158°F)
- Vibration testing to UN DOT 38.3 for transportation*
- UL61010*
- Class 1 / Division 2 for Sensor*
- ATEX Zone 2, Directive 94/9/EC FCC Part 15*
- CE / UKCA*
- RoHS Compliant*

* Represents expected qualifications when testing/certification is completed

Hub

Actual Size: 1.2"H x 3.3"W x 1.6"D



Sensor

Actual Size: 2.4"H x 1.6"D



Sensor Data

- Triaxial Accelerometer
- Mechanical response (-3dB): 8.2kHz (x), 8.5kHz (y), 5.6kHz(z)
- Measurements up to +/-64g, 16-bit @ 25.6kHz sample rate

Specifications

- Protocol 802.11 b/g/n WiFi 2.4 & 5.8 GHz
- WPA2 with AES encryption
- Bluetooth Low Energy 2.4 GHz
- Sensor: 2.4" Height x 1.6" Diameter
- Sensor Weighs 3.8 oz.
- Hub: 1.2" Height x 3.3" Width x 3.3" Depth
- Hub Weighs 3.2 oz.
- Stud dimension: 1/4-28 UNF tapped hole

Software

Dashboard

- Easy to Understand Temperature and Vibration Charts
- Peak Overall Velocity Graphs for Vibration Analysis
- Isolate X, Y, or Z Axis For Vibration Analysis
- 8192 Samples With Each Vibration Data Point
- Toggle Between Celsius and Fahrenheit
- Easy to Recognize Notification Features Designed to Reduce Alert Fatigue
- Variable Sampling Frequencies of 256 Hz, 512 Hz, 1024 Hz, 2048 Hz, 4096 Hz, and 8192 Hz



Customization

- Easily Map Your Equipment With Your Terminology
- Time Domain Waveforms Available
- Spectral Waveforms Available (FFT)
- Create Notification Groups and Escalation Groups (SMS or Email)