Sensor & Gateway

Features

- Full spectral vibration and temperature sensor
- Multiple sensor readings per day
- Ability to invoke manual readings
- Built-in acceleration, velocity, FFT analysis
- Different sampling rates available through independent configurations of sensor heads
- Dust and water resistant enclosure (IP65) for sensor
- Magnet or epoxy mounting
- Noise removal using low-pass and high-pass filters
- 2-mile communication range between sensor and gateway

Sensor Environmental and Regulatory Qualifications

- Temperature Operation Range -40°C to +125°C (-40°F to 257°F)
- Humidity Range 0-90%
- Bandwidth 1.56Hz-6.4kHz
- Ingress rated enclosure (IP65)
- Main Box IP Rating -IP65, NEMA 1,2,4,4X,12,13, UL-508
- Probe Rating IP 68
- Flammability Rating of UL94 HB
- RoHS Compliant

Sensor Data

- Triaxial Accelerometer
- Probe Operating Temperature -40°C to 105°C
- Probe Length - 2 Meter Shielded Cable
- Batteries - 6 AA (L91)
- DC External Power (optional) 5-12V DC
- Measurements up to +/-16g, 16-bit @100Hz-25.6kHZ sample rate

Gateway
Actual Size: 11.5"H (with antennae) x 4.1"W x 4.25"D

Sensor
Actual Size: 3.6"L x 5.75"W x 2.1"H

Specifications

- Wireless Frequency 900MHz or 868MHz
- AES encryption
- Sensor: 3.6"L x 5.75"W x 2.1"H
- 3" clearance height for sensor installation
- Sensor Weighs .93 lb
- Gateway: 11.5"H (with antennae) x 4.1"W x 4.25"D
- Gateway Weighs 3 lbs

APPLICATIONS

Wireless Vibration Measurement
- Motors
- Pumps
- Compressors

Wireless Industrial Vibration
- Robotic Equipment
- Conveyors

Future Fail Detection
- Industrial Machines

Vibration Monitoring
- Conduits
- Pipes
- Air Passages

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
- Acceleration, Velocity, Displacement, FFT Frequency Peaks Available for Vibration Analysis
- Toggle Between Celsius and Fahrenheit
- Easy to Recognize Notification Features Designed to Reduce Alert Fatigue
- High-Speed Vibration Sampling Rates of 50Hz, 100Hz, 200Hz, 400Hz, 800Hz, 1600Hz, 3200Hz, 6400Hz, 12800Hz, and 25600Hz

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)