



418 MHz Wireless Vibration Sensor

Wirelessly Monitor Vibration Data with this 418 MHz Battery-Operated Digital Sensor

ConceptOne represents a family of sensor monitoring products from the Company that has provided unique, cost effective solutions since 1986. This battery operated, ConceptOne product enables the monitoring of vibration data with an easy to install system.

The ConceptOne Vibration Sensor is a battery operated digital vibration sensor with a built-in microprocessor controlled 418 MHz FCC certified radio to transmit the x and y vibration data across our wireless network network. Once every 30 seconds, the unit will sample the separate x and y components of the internal accelerometer for 1.3 seconds. Every 4 minutes, the sensor will transmit the highest x and y samples observed from the last 8 samples.

This extremely small sensor, measures only 2.0" x 2.5" x 1.0" (including mounting flange) and weighs only one ounce.

Main Features

- 418 MHz FCC Certified Wireless Radio
- Communicates to our Point Manager
- Samples 4096 separate x and y components of vibration up to 1600 Hz for 1.3 seconds every 30 seconds
- Transmits the highest x and y values observed since the previous transmission every 4 minutes.
- Battery Life: Typical 3 years.
- Battery Type: 3.6 V Lithium
- Unique Serial Number to identify specific sensor locations
- Integrated Mounting Flange for easy installation
- CRC-16-16 Error Checked Radio Data for accuracy

Key Advantages

- Our complete wireless network costs less than just the electrical wiring for other systems.
- No Power Wires Required.
- No Data Cables Required.
- Small size, low weight, fast and easy installation.
- One Year Warranty

Accelerometer Specifications

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|------------------------|-----------------------|
| • Accelerometer Type | Micro Machined +/- 3G |
| • Baseline Sensitivity | +/- 3 milli G |
| • Bandwidth | 1600 Hz |
| • Resonant Frequency | 5500 Hz |