



Smart Industrial IoT Wireless **Vibration Temperature Sensor**

Monitor, Optimize, and Protect Your Equipment
with Advanced Vibration Analysis

Smart Industrial IoT Wireless Vibration Temperature Sensor



- Industrial Grade 3-axis MEMS Vibration Sensor with $\pm 16g$ Range
- Calculates RMS and MAX g Vibration
- Calculates RMS Velocity Vibration
- Calculates RMS Displacement
- Calculates Peak Vibration Frequency
- Raw Time Domain Data for FFT analysis
- Wake up on Motion Feature
- Local Alert indicator LED
- Over the Air Configuration
- In Built FFT Analysis
- Encrypted Communication
- 2-Mile Wireless Range
- Multiple Probe Mounting Options:
 - 1/4 NPT
 - 1/4-28 UNF
 - Magnet Mount

Features



Wireless Connectivity

The sensor utilizes long-range wireless technology, allowing you to monitor equipment health from a distance. Say goodbye to cumbersome wiring and enjoy the flexibility of wireless communication.



Vibration Analysis

Detect abnormalities and potential issues in your machinery by analyzing vibration patterns. The sensor's advanced features, such as acceleration and velocity calculation, provide comprehensive insights into equipment behavior.



Temperature Monitoring

Track temperature variations to ensure optimal operating conditions and prevent overheating or equipment failures due to temperature fluctuations.



Easy Installation

The sensor comes in an all-in-one box, making installation a breeze. With various mounting options included, you can choose the most suitable method for your specific application.



Long Battery Life

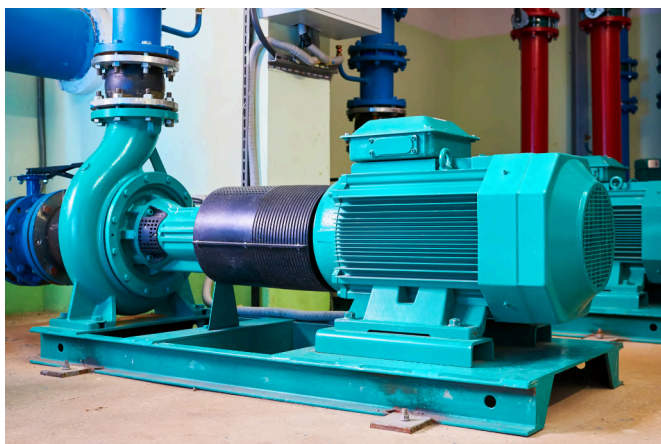
Powered by two AA batteries, the sensor offers an impressive battery life of up to ten years, depending on usage and environmental conditions.



Data Accessibility

Access valuable insights without any additional costs or monthly fees. NCD provides free access to the data obtained by the sensor, allowing you to make data-driven decisions without limitations.

Applications



Ideal for Wireless Vibration Measurement of Motors, Pumps, Compressors



Wireless Industrial Vibration of Robotic Equipment, Conveyors, and Transport Vehicles



Machine Health Monitoring for a Predictive Maintenance System



Future Fail Detection for Industrial Machines



Vibration Monitoring of Conduits, Pipes, and Air Passages



Vibration and Temperature Monitoring for AWS, Azure, and Losant

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