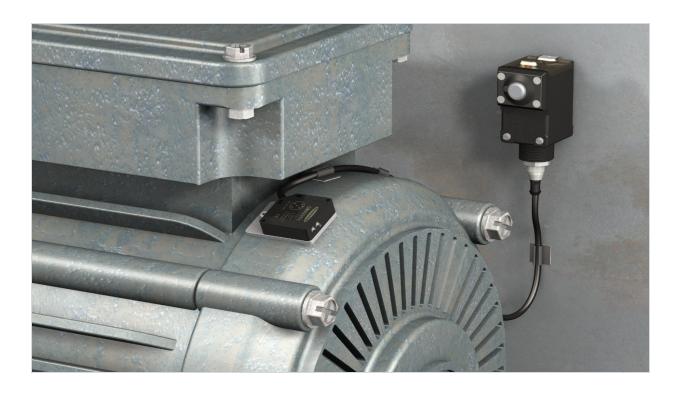


Predictive Maintenance Made Easy with Banner's Wireless Vibration Solution



Predictive Maintenance Challenges

Predictive maintenance on machines can be difficult because minor performance changes can be hard to detect without the proper tools. Condition monitoring plays a key role in predictive maintenance and helps prevent costly downtime. One important condition to monitor is vibration. Machine vibration is often caused by imbalanced, misaligned, loose, or worn parts. As vibration increases, so can damage to the machine. By monitoring motors, pumps, compressors, fans, blowers, and gearboxes for increases in vibration, problems can be detected before they become severe and result in unplanned downtime.

Wireless Vibration Monitor Makes Condition Monitoring Easy

Banner's wireless vibration and temperature sensors are meant to serve as a "check engine light" for machines. The sensors are defaulted to measure RMS velocity, which provides the most uniform measurement of vibration over a wide range of machine frequencies. They can be easily mounted using a standard bracket, a magnetic bracket, or a two-sided thermal transfer mounting tape. The sensors are designed to work with multiple Banner wireless nodes.

After mounting the vibration sensor, collect enough vibration data to establish a baseline for the machine. Initially set the threshold at 1.5 or 2 times the baseline. When the threshold has been exceeded, the Q45VT can provide local indication, the signal can be sent to a wireless TL70 Tower Light on a central location, or an email or text alert can be sent. The vibration and temperature data can also be sent to a DXM100 Wireless Logic Controller or PLC for collection and analysis.

Featured Products



QM42 VIBRATION & TEMPERATURE SERIES - WIRELESS

The QM42VT Vibration and Temperature Sensor makes it easy to monitor a machine's health. It measures RMS velocity and temperature so that



Q45 WIRELESS SENSORS

The Sure Cross® Q45 is the first self-contained wireless standard photoelectric solution for the most challenging control and monitoring



TL70 TOWER LIGHTS - WIRELESS

TL70 Modular Tower Light is bigger, brighter and can be ordered as modular segments or pre-assembled. Wireless TL70 Tower Lights combine



INDUSTRIAL WIRELESS CONTROLLER: DXM SERIES

The DXM controller series integrates Banner's wireless radio, cellular and Ethernet connectivity, and local I/O to provide a platform for the Industrial



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