



Hardware at-a-Glance:

High-Definition Vibration Sensor

Optimized for low power use, KCF's 3rd generation wireless High-Definition Vibration Sensor uses easily replaceable batteries and KCF Technologies' proprietary wireless protocol to transmit a full vibration spectrum over the air on a nearly-continuous basis.

The KCF Vibration Sensor Advantage:

- Class 1/Div. 2 Certified
- IP67 Rating
- Withstands -4° to 167°F
- Industrial Grade Hardware
- Impact Resistant Shell
- Actionable Data in 3 Minutes

Total Cost of Sustainment:

16x Less Than the Average Competitor

Key Features:

Reliable Monitoring

Vibration Sensor Nodes provide health monitoring in the most hard-to-reach, rugged locations. Each node communicates wirelessly with SMARTdiagnostics® Software.

Flexible Configuration

The system is highly configurable and scalable. A system can have thousands of sensor points, each of which can be configured to transmit data on a user-selected frequency with unique indicators.

Cost-Effective

Easily installed without the downtime, expense, and labor costs of hard-wired sensors. Simply place the sensors where they're needed and within minutes they transmit data.

Ruggedized Solutions, Designed to Provide the Right Data.

KCF's High-Definition Sensor offers industry leading data acquisition—collecting the full spectrum of data as often as once every minute. Our unique ability to take high-interval, full spectrum data, allows for a best-in-class machine learning training dataset—delivering exceptional predictive maintenance analytics.



Hydraulic Fracturing Site, CA

8x More Data Per Battery



The sensor's powerful magnetic base makes install simple. Stick it on a monitoring point—no tools required. Where magnetic mounting won't work, there is a ¼-28 stud mounting feature.