



OPERATIONAL FEATURES

- Highly secure, web based hardware and software platform for wirelessly monitoring machine vibration and temperature
- 18 channels available per node; 6 Dual axis (12 total) vibration data collection and 4 RTD temperature.
- Spectrum and waveform displays
- Maximum frequency range 150,000 CPM (2.5kHz)
- Battery-powered with 2+ year expected battery life (Line-powered option available)
- Completely customizable reading intervals from seconds
- 2.4 Ghz, 802.15.4 communications protocol
- Communication distance: Sensor node to repeater up to 1,500 ft, line of sight
- Cable Length: Sensor to node up to 40 ft
- Communications to highly secure web server via cell phone network or hard-wired ethernet connection

TECHNICAL SPECIFICATIONS

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| • Sample Rate | Up to 5Khz |
| • Maximum FFT Frequency | 2.5kHz |
| • Frequency Response | (3dB)-2Hz-2.5kHz |
| • Dynamic Range | 18g (peak) |
| • Resonant Frequency | 5.5kHz |
| • Temperature Sensor Range | -67F ro +257F |
| • Sensor Enclosure Material | 316 Stainless |
| • Waveform Data Points | User selectable, 1024-8192 |
| • Waveform Lines of Resolution | Spectral Lines 1024, 2048, 4096 selectable |
| • Sensor Max Temperature Range | -67F to +257F |
| • Wireless Node Temperature Range | -40F to +185F |