



Limited Only By Your *Imagination*

Vibration Monitoring

SolutionNet™ 4.0

Model IIoT-1030/IIoT-1050

Efficient and reliable vibration monitoring will lengthen service life in all types of rotating equipment. The IIoT-1030 (vibration node) and IIoT-1050 (Vibration/Temperature node) efficiently captures vibration data and transmits it wirelessly to wherever needed. Armed with this information, management can make timely and less disruptive decisions for major machinery repair. The IIoT-1000 series is configurable as a self-contained, self-powered unit that works in synchronization with existing SCADA systems as well as all IIOTTTI wireless data acquisition instrumentation and software.

The IIoT-1030 and 1050 models utilize a triaxial accelerometer with a frequency range of 4-1000Hz, and a calibrated amplitude range of 0-1ips (0-25.4mm/s). The IIoT-1050 combination unit comes standard with a 1000 Ohm Platinum RTD that monitors temperatures ranging from (0° to 185°F) (-17.7° to 85°C). Both devices are certified for Class I Div I / Zone 0 ATEX environments.

Before shipment, all devices are NIST calibrated by IIOTTTI technicians to precisely measure operating ranges as defined by specific customer application.

Each device has a self-transmitting range of ¾ mile or 1.2 km. For longer distance requirements, the use of IIoT-5000 series Intelligent Repeaters expands the effective transmission range to 7 miles or 11.3 km. For offsite or global transmission, other communication methods can easily be added to the final system configuration. This includes, but is not limited to, traditional wired solutions,

fiber optics, modems, satellites, wireless devices, etc.

IIOTTTI has the perfect wireless solution to capture, transmit, and integrate valuable data. In areas where AC power is limited or unavailable, IIOTTTI wireless devices are the instruments of choice. Their performance, reliability, and toughness are unmatched in the industry.

Typical applications for these devices include point monitoring on rotating equipment such as motors, blower or fan housings, pump bases, compressor frames, bearing housings, skid frames, etc.

- Triggered Alerts & Alarms
- 8 Peak FFT

This Datasheet Contains Protected Information

Efficient and reliable vibration monitoring lengthens service life and optimizes performance in all types of rotating equipment

Please refer to test sheets for final parameters



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