

Meggitt Sensing Systems

Triaxial vibration sensor with M12 connector

Wilcoxon Research® 993B-7-M12 houses three vibration sensors

Multi-directional data

Meggitt manufactures a variety of Wilcoxon Research® triaxial sensors which consist of three sensing elements within a single housing. These transducers allow for the acquisition of multi-directional data at a single mounting location. Users of triaxial sensors cite the increased speed of data collection, inherently consistent readings and reduction in wiring for permanent installations.

Industrial monitoring

The triaxial sensor can be used for walkaround or permanent mount applications. Three general purpose 100 mV/g sensing elements provide reliable monitoring of most rotating machinery including fans and blowers, pumps, compressors, gearboxes, and motors.

High usability

The sensor is designed with an M12 connector for fast and easy cable removal, and compatibility with most multi-channel field analyzers. A captive screw allows 360° rotation for cable runs at any angle.

Key features

- Improved in-band signal fidelity
- Thicker external shell resists impact damage
- 50% increase in dynamic range
- 100 mV/g sensing elements, ±10% sensitivity tolerance
- Improved built-in IEPE amplifiers minimize influence of out-of-band signals
- Broad frequency range of 2-10,000 Hz on Z axis; 2-7,000 Hz on X and Y axes
- ESD protected,
- Hermetic seal
- EMI/RFI shielded electronics
- Reverse wiring protection



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smart engineering for
extreme environments