MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Amikon cover with selected official Bently Nevada pages

BENTLY NEVADA VIBRATION SENSOR

AM3100T2-Z2-00

INDUSTRIAL IEPE ACCELEROMETER

OFFICIAL SOURCES

Bently Nevada official manufacturer document for Bently Nevada vibration sensor. Selected pages retain their original content, color and aspect ratio.

IEPE Accelerometer Series

Datasheet

Cordant™

124M2609 Rev. H





Description

This series of Integrated Electronics Piezo-Electric (IEPE) accelerometers are optimized for obtaining high quality vibration signals in harsh industrial environments. Their piezo sensing elements provide exceptional dynamic range, frequency range and linearity, while their integrated amplifiers boost the signal, making them relatively immune to electrical noise.

They require an industry standard constant-current power supply, and provide an output voltage proportional to the acceleration signal. So they can interface to a wide variety of condition monitoring systems.

Within the series are options for 100 or 500 mV/g sensitivity, top-exit or side-exit connector, and several hazardous-area certification levels.

Features

- Rugged stainless design, corrosion resistant
- Hermetic seal, case isolated
- ESD protection
- Reverse wiring protection
- EMI / RFI shielded
- Hazardous area certifications

Benefits

- Able to fit in small spaces
- Light weight for walk around programs
- Cross wiring does not harm sensor
- Prevents ground loops in permanent mount applications
- Can be hosed down or submersed with proper connector
- Can be used in applicable certified hazardous areas

Baker Hughes

Compliance

- See individual accelerometers for compliance.