

INTRODUCING

8911 WIRELESS

ACCELEROMETER FOR

CONDITION MONITORING

- Utilize LoRaWAN™ - low power, wide-area networking protocol with reliable long-range wireless communication
- Provide ambient temperature and FFT calculations, transmitting only the relevant data within the network



Customers need a low cost, reliable method for health monitoring of critical machinery. Wireless sensors for condition monitoring help companies get the most from their assets by minimizing downtime and reducing installation costs. To provide this level of performance, TE Connectivity (TE) has designed the 8911 wireless accelerometer.

The 8911 is a compact, LoRaWAN™, wireless accelerometer with edge computing. This network standard enables long-range, reliable communication in industrial applications and enables customers to work with managed network providers or work on their own private network.

APPLICATIONS

- Condition monitoring for critical machinery
- Predictive maintenance
- Harsh environment IIoT
- Industrial applications

KEY BENEFITS

- Utilize LoRaWAN™ - low power, wide-area networking protocol with reliable long-range wireless communication.
- Provide ambient temperature and FFT calculations, transmitting only the relevant data within the network.
- Enable compact design with small physical footprint. (1.25" hex x 3.1" height).
- Reduce installation costs by eliminating the need for cables with quick and easy deployment.
- Operate effectively in harsh environment applications with rugged IP66 O-ring environmental rating.

PERFORMANCE

- Dynamic range: $\pm 50g$
- Frequency response: 1 - 10,000Hz
- Temperature range: -20°C to +60°C
- Resolution: 12 bits
- Battery life: Up to 10 years
- Wireless protocol: LoRaWAN™ Class A
- Size: 1.25" hex x 3.1" height

TARGET MARKETS

- Industrial

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