

# Accel™ 310 Wireless Sensor

## Benefits:



1

### High Resolution Vibration

High resolution data allows for the detection of more machine faults giving user better insights to emerging problems and root causes. Collects overall data every hour and full waveform once per day.

2

### Actionable Diagnostics

The Expert Automated Diagnostic System can identify over 1,200 unique fault types\* on 40+ common machine types using over 6,000 rules, providing prioritized recommended repair actions.

3

### Eureka AI Platform

Getting the right alert at the right time starts with having a well trained AI platform to leverage from the moment you first turn on the sensor, and learns as it keeps all users informed with actionable alerts and notifications

## Specifications

VIBRATION: Tri-axial Acceleration  
MAXIMUM INPUT RANGE: +/- 16 G  
FLAT FREQUENCY RANGE: 10-6300 Hz (-3dB)  
EARLY BEARING DETECTION: Impact Demod to 26.7kHz  
SAMPLE RATE: 26.7 kHz  
VIBRATION RESOLUTION: 16-bit  
TEMPERATURE MEASUREMENT: -40 - 105C (+/-0.3C)  
TEMPERATURE RESOLUTION: 0.1C  
COMMUNICATION: 2.4GHz Wirepas Mesh  
BATTERY: 3.6V lithium thionyl chloride  
BATTERY LIFE: 3-year guarantee\*\*  
DIMENSIONS: 3.09" x 1.1" (78.5 x 28mm)  
WEIGHT: 0.28 lbs (129 grams)  
MOUNTING: Adhesive Pad or Stud Mount  
ENVIRONMENT: -40 - 85C  
RATING: IP68  
CERTIFICATIONS: CE, FCC, ISED, ATEX II 2 G Ex ib IIC T4 Zone 1 & 2, CSA/UL N.A. Class 1, Division 2 / Zone 2\*\*\*

Specifications Subject to Change

\*available fault coverage varies depending on machine speeds and sensor placement  
\*\*subject to setup conditions  
\*\*\* HAZLOC certifications pending