

MULTI-SENSORS INDUSTRIAL SENSOR FOR PREDICTIVE MAINTENANCE

NODE

**SMART SENSORS FOR
PREDICTIVE MAINTENANCE. &
CONTINUOUS MONITORING**



TECHNICAL SPECIFICATIONS

Vibrations sensor

- Measurement range : $\pm 16g$
- Bandwidth : [0 Hz – 10 kHz]
- Axis : Tri-axial (x, y, z)
- Output : Level (RMS or PtoP) & FFT

Temperature sensor

- Résolution : 0.1°C
- Measurement range : -50°C / 200°C
- Consumption : 70 uA

Acoustic Emissions sensor (AE)

- Accuracy: 0.1%
- SNR : 63 dBA
- AOP : 120 DB SPL
- Frequency : 100kHz

FEATURES

- Compact design
- Embedded FFT signal analysis
- **Failure diagnosis**
- **Failure prediction**
- **Fix prescription**
- Stud, magnet, or adhesive mounting accessories

BODY FEATURES

- Product Material 316L Stainless Steel, Polymer
- Number of Sensing : Triaxial accelerometer, IR Temperature, Ultrasound
- Product Weight 180 g



USAGE CONDITIONS

Operating Temperature Range (°C) -80 – +250

INDUSTRY STANDARDS

- IP Rating IP67
- Wireless Application : Bluetooth + LTE-M/LoRa + NFC

BATTERY

- Up to 9-year battery life



SYNTHESIS

The node transcends the limitations of traditional sensors, harnessing the power of 5G technology to transform reactive maintenance into proactive insights

FOR MAINTENERS

