

**3-axis vibration, humidity, temperature, and acoustic data in a single device. A Complete Predictive Analytics solution for the industry.**

## Applications

- Troubleshooting of machine faults.
- Predictive Analytics.
- Alert about probable issues of the machine.
- Fault Analysis using AI/ML.
- Time and Frequency-based measurement.
- Remote monitoring and assistance to troubleshoot problems.

## Features:

- Low Noise performance, Innovative temperature compensation electronic design, signal processing technique for correct estimation.
- Compact and robust design.
- Easy to Setup and operate. Automatic continuous measurement of data.
- Wired and Wireless communication.
- Streaming data visualization, data storage and historical data analysis, data analytics for predictive maintenance.
- Seamless Connectivity: Wired (CAN) and wireless options for flexible integration.
- AI-Powered Analytics: Real-time fault detection and predictive maintenance powered by machine learning.

## Product Details

- **Controller:** STM32 32-bit ARM Cortex MCU
- **Accelerometer:** Ultra-wide bandwidth, low-noise, 3-axis digital vibration sensor, ST Microelectronics
- **Humidity:** On-board Humidity Sensors RH Accuracy +/- 2% Digital, DFN Type
- **Temperature:** On-board Temperature Sensor
- **Acoustics:** MEMS Microphones Low-Noise Microphone
- **Data Communication:** CAN
- **Power Supply:** 3.3 VDC
- **Enclosure:** Sturdy Aluminum enclosure
- **Mounting Mechanism:** Mounting through mounting plate

Product specifications and form factor change as per the requirement. Please contact us at, [sales@sisaittechnologies.com](mailto:sales@sisaittechnologies.com) for complete details of the product.



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