

# Self-judging Vibration Sensor

Instantly Detects the Anomalies from Vibration.

Self-monitoring vibration sensor that stores “normal conditions” and detects abnormalities.



**Detects Abnormal Vibrations and Sends an Alert Signal**

## Features

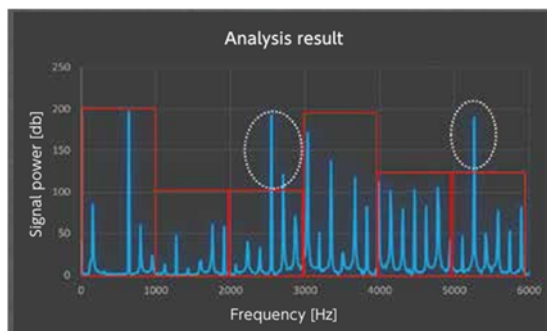
- Equipped with a memory section that stores normal vibration conditions and a self-monitoring section that detects abnormalities by observing changes in conditions.
- When an abnormality is detected, an alert signal is sent wirelessly to prevent accidents.
- Low power consumption  
Can be operated with small battery or energy-harvesting elements.
- Magnets are included as a standard accessory.  
Can be mounted without any optional fixture (Adhesive mounting is recommended for non-magnetic materials)

•Specification indicated in this Technical Report is outline only at present. Any products in this Technical Report are subject to any modification for further development and the products improvements without prior notification. •When employing the product, use of an officially authorized specification is recommended. •Please feel free to contact us with any enquiries about our products and their uses.



## Features

- Operation Flow
  - 1 Measure frequency spectrum under normal conditions in advance and set the threshold (red frame)
  - 2 Set communication frequency
  - 3 An alert signal sent when the threshold (red frame) is exceeded frequency spectrum data can also be sent at the same time



## Applications

Detection of optimal maintenance timing for:

- Industrial machinery equipment
- Infrastructure-related equipment

## Specifications

Item	Specification
Measurement Frequency Band	Up to 2,600Hz
Communication Method	Bluetooth® LE
Communication Range	10m or more
Communication Frequency	Can be changed via Bluetooth® LE communication
Upper Acceleration Limit Detection	$\pm 16g$
Protective Structure	IP65 equivalent

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