



SVS

Smart Vibration Sensor



Diagnosis Solution

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The smart vibration sensor is installed and used in devices that need vibration detection (low pressure motors, motor loads, machine tools, etc.). When it occurs, vibration is measured with a precision 3-axis acceleration sensor and the data is stored in an internal storage device. The saved basic data is displayed in a graph using an analysis algorithm in an Android application, and the real-time vibration value and FFT result value, and the result value can be saved as a CSV file. The vibration sensor stores event-occurring vibration values (vibration level, device event vibration value, temperature, and time) in a storage device when vibrations exceeding a set value occur. The stored record uses 15 fields, and the stored data is managed in a FIFO method, and vibration data at the time of an event can be checked by receiving each stored data.

Product image & Mobile App Screen



Product image

Mobile App(Realtime)

Mobile App(Alarm)

Special Feature

- Real-time vibration measurement with precision 3-axis acceleration sensor
- Minimum battery consumption by using sleep mode (2 years available)
- When an alarm above the set value occurs during sleep mode operation, data is measured for 10 seconds and saved
- When an alarm occurs more than 5 times, the Alarm LED is kept ON
- Bluetooth two-way wireless communication
- Save 15 alarm vibration data fields by applying 128kbytes FRAM
- Alkaline(AA size) battery
- Real-time surface temperature measurement with built-in temperature sensor
- Interrupt key applied (Sleep mode canceled)
- BLE setting and saved data analysis using Android application (real-time vibration, 3-axis vibration, 3-axis FFT frequency analysis value, temperature)
- Saved data can be loaded in the Android application and saved as a CSV file.
- KC certification completed
- IP55



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