



Vibration Sensor

Detect vibration to gain insights for care and security purposes

The Zigbee-based Vibration Sensor detects and reports vibrations making it ideal for use in home care, smart security, and building management solutions.

Home and business owners can have the peace of mind that they will be notified of any shattered windows or glass counters, helping them prevent break-ins and burglaries.

Home care solutions can keep an eye on their patients' health by placing the sensor on furniture at home. Placed underneath a bed, the Vibration sensor can monitor how long patients are in bed and how well they sleep, giving insights into their well-being and recognizing potential illnesses. Similarly, the Vibration Sensor can be installed on chairs and appliances to monitor activity.

Building managers can use the Vibration Sensor to keep an eye on hard-to-reach piping, helping them detect vibration in pipes. This way, they can quickly identify blockages, abnormal water pressure, among other issues.



Key features are:

- Dual output Alarm - vibration/movement
- 15 pre-defined sensitivity levels
- Temperature detection
- Zigbee 3.0

Secure detection of vibration on different sensitivity levels

The Vibration Sensor detects vibrations via its internal 3-axis accelerometer. With 15 different pre-defined vibration sensitivity levels, the Vibration Sensor allows you to define how reactive to vibrations and movement you want it to be. This way, the sensor is triggered by the exact force and intensity of vibration you want to detect - such as windows being shattered or intruders breaking in.



Vibration Sensor - Technical specifications

Model number: WISZB-137

General

Dimensions (W x H x D) 76 x 26 x 17 mm / 3 x 1 x 0.67 inches

Weight 50 g / 1.76 oz (with packaging: 80 g / 2.82 oz)

Color White

Power supply Battery: 2 x AAA, exchangeable

Battery life: 2 years (normal usage)

Battery level and low battery warning can be reported

Radio Sensitivity: -100 dBm

Output power: +10 dBm (EU) and +19 dBm (US)

Environment IP class: IP40

Operation temperature 0 to +50°C / 32 - 122°F

Relative humidity 5% - 85%, non condensing

Functions

Temperature sensor Range: 0 to +50°C / 32 - 122°F

Resolution: 0.1°C / 0.18°F (accuracy Typ $\pm 0.5^{\circ}\text{C}$ / 1°F and Max $\pm 2^{\circ}\text{C}$ / 4°F)

Vibration 15 sensitivity levels based on duration, g-force, and sample rate

Accelerometer 3-axis, 16-bit resolution

Communication

Wireless protocol Zigbee 3.0, Zigbee end device

Certifications Conforming to CE, FCC, IC, ISED, RED, RoHS and REACH directives

Alarm EN50131

Zigbee 3.0 certified