



DiscoverBus™ Wireless Vibration Sensor



A digital 3 axis accelerometer based
sensor that measures vibration or shock.



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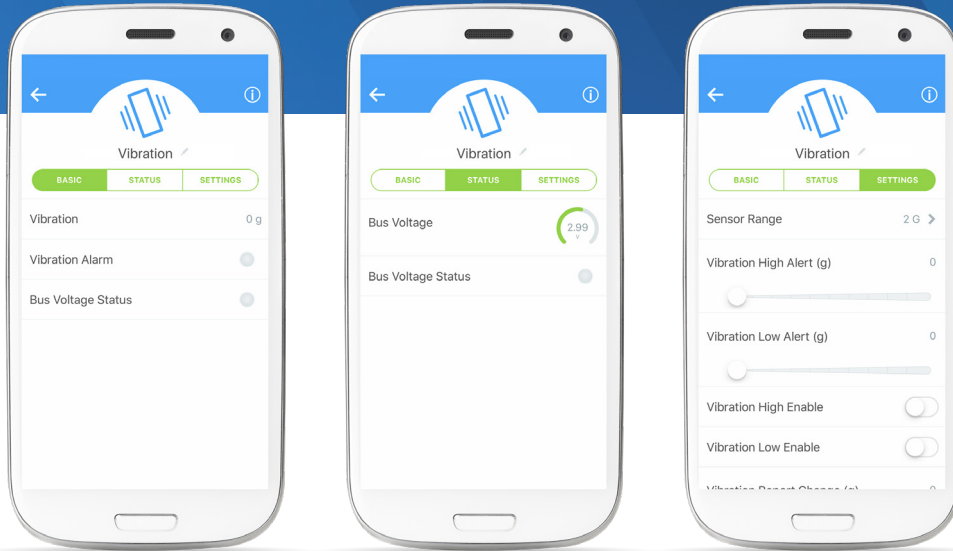
**RETAIL
SPACE**



**FACTORY
PLANT**

This general purpose vibration, or g-sensor, can be used to monitor the operating condition of a product that utilises moving or rotating elements. Problems such as unbalance, or rolling element bearing damage cause the vibration characteristics to change. Measuring the vibration of machinery is an excellent way of monitoring the health of critical plant and equipment. Implementing

a predictive maintenance program based on information taken from vibration monitoring can greatly increase the reliability of plant. This digital sensor is factory calibrated, combining low long term drift and low power consumption. Suitable to mount on machinery, bearings, doors, lifts, vehicles, washing machines, or any object, to sense vibration.



KEY FEATURES:

- > Commercial grade sensor
- > On site operation even without the Internet
- > Remote operation with the Internet
- > Fast install with onboarding to Gateway with one tap of an NFC phone
- > Nickname support
- > Tap using NFC phone to instantly jump to the control screen
- > LED flash locate function
- > High and low alerts
- > Configurable sensing sample rate
- > Configurable heartbeat for periodic data
- > Threshold settings to transmit immediate changes
- > Battery voltage status checks and alerts
- > Tamper
- > Signal strength indicator
- > Factory calibrated digital sensor

SPECIFICATIONS:

| | |
|------------------------|--|
| Supply | 3V Lithium Coin Cell CR2450 |
| Onboarding | DiscoverBus NFC |
| Data Transport | DiscoverBus SubGHz |
| Operating Range | (-10 to 60) °C |
| Vibration Range | 3 axis, ± 2 g to ± 16 g, 25Hz max |
| Vibration Resolution | 16 mg in ± 2 g mode 192 mg in ± 16 g mode |
| Consumption - Sleep | 15 uA typical @ 25 °C |
| Consumption - Run | 100 uA typical @ 25 °C with continuous vibration |
| Estimated Battery Life | Up to 3 months with vibration Up to 1.5 years sleep |
| Dimensions | (52 x 32 x 20) mm (including standard bracket) |
| Region | Australia, Singapore, Malaysia, USA |
| Model Number | DB-VIB-101FBN |



For more information, visit xped.com

Features and products are continuously being improved, as such specifications are subject to change without notice. Subject to stock holdings, product supply may incur standard manufacturing lead times to be quoted at time of enquiry. Products that utilise radio interfaces such as SubGHz, will be region specific and subject to availability on enquiry.