

## VIBRATION/ ACCELERATION MEASUREMENT SYSTEM

3-in-1 high-bandwidth vibration sensor, tri-axis accelerometer, and temperature sensor with wired or wireless data transmission.

A useful kit for vibration condition monitoring, especially in predictive maintenance.

### APPLICATIONS

- Condition Monitoring
- Predictive maintenance
- Electric Motors
- Pumps
- Bearing health
- Belt drivers
- Robotic Arms
- Gear wear



### TECHNICAL SPECIFICATIONS

- Easy screw-in or magnetic base installation
- Coolant and oil resistant
- Wireless capable with sensor power injector
- Built-in temperature sensor channel
- IoT interface: OPC UA / MQTT/ UDP / TCP/IP, open source

#### **Omnidirectional vibration sensor**

Sampling rate 41,667 Hz

Bandwidth 100 Hz-20 KHz

Resolution 24 bit

Sensitivity  $10^{-3}$  g

#### **Tri-axis accelerometer**

Sampling rate 3,200 sps to 25,600 sps configurable

Bandwidth 0÷6,000 Hz +/- 3 dB or 0÷1,2000 Hz +/- 6 dB

Sensitivity  $10^{-3}$  g