

Orlando Series Wireless Sensor

The IIoT smart sensor for Industry 4.0

Reliable, Flexible, Affordable



KEY FEATURES

3-axis Vibration and Temperature Sensing
Auto Wake Up on High Vibration
Connect via Wi-Fi
3-axis Simultaneous Data Collection

Up to 3 Years of Battery Life
IP67 Water & Dust Proof
Up to 3 Months of Internal Data Storage
Small Size and Internal Antenna

SPECIFICATIONS

Product Model	Orlando 200 (Triaxial)
Number of Axis	3 Axis
Support 3-axis Simultaneous Data Collection	Yes
Support Recording Types	Vibration Waveform, Spectrum, RMS Overalls, Band Alarms, Temperature
Sampling Rates Supported	100 Hz, 200 Hz, 400 Hz, 800 Hz, 1600 Hz, 3200 Hz, 6400 Hz
Fmax Supported	50 Hz, 100 Hz, 200 Hz, 400 Hz, 800 Hz, 1600 Hz, 3200 Hz
Fmin Supported	Support all the way down to 0 Hz
Vibration Range	±8g
Battery Life	Up to 3 years (sampling rate 3200Hz used, recording every 2 hours)
Wireless Transceiver	2.4 GHz Wi-Fi 802.11b/g/n
Wireless Range	150m line-of-sight
Operating/Measured Temperature	-40 °C to 80 °C
Dimensions	43 mm x 72 mm
Weight	280g

MEASUREMENT TYPES

Each measurement can be configured for a different schedule interval.

Measurements can be triggered by Auto Wake Up on High Vibration or High Temperature with user defined thresholds.

Vibration Time Waveform	User configurable sampling rate and number of samples, in acceleration unit g
Vibration Spectrum	User configurable frequency band, support both acceleration and velocity units
Vibration RMS Overall	User configurable frequency band, and alarm thresholds. Support both acceleration and velocity units
Temperature	User configurable alarm thresholds value in °C

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