

Physical Properties	
Weight	22.57 oz / 640 g / 1.411 lb
Enclosure Material	6061 Aluminum Alloy
Mounting	N/A
Dimensions	Refer to drawing
Ingress Protection	IP67
Power Source	Lithium-thionyl Chloride Battery
Battery Specs	Max Rated Voltage: 3.6 V Max Rated Capacity: 38 Ah

Hazardous Certification	
Explosion Proof Rating	ATEX/IECEX EX ib IIC T4Ga
Class	I, II, III
Division	1, 2

Wireless Connection	
Connection Method	ZigBee 2.4 GHz IEEE 802.15.4
Transmission Distance	~1,600 ft (~500 m) Under ideal conditions
Telecommunication Compliance	FCC

Measurements	
Vibration	Velocity, Acceleration, and Displacement
Axes	Single axis normal to sensor mounting surface
Linearity Error	1%
Vibration Range	Piezoelectric: ± 50 g (Peak)
Frequency Range	Piezoelectric: 2 - 20,000 Hz (± 3 dB)

Sampling Configurations	
Frequency Min. (Hz)	0.1, 2, 10, 500
Frequency Max. (Hz)	10, 20, 50, 100, 200, 500, 1000, 2000, 5000, 10000, 15000, 20000
Wavelengths	1k, 2k, 4k, 8k, 16k, 32k, 64k, 128k, 256k, 512k, 1024k, 2048k
Spectral Resolutions	Customizable based on frequency range and wavelength selected

Transmission Rates ¹	
Data Type	Collection Interval
Time Waveform	Programmable with standard rate of 30 minutes
Overall Sampling Value	Programmable with standard rate of 5 minutes

¹Transmission rates may vary depending on the number of sensors connected to the gateway.

