

Specifications and Dimensions

Specifications

Internal Sensor

Frequency Range	All Axes - 2.0 Hz to 4000 Hz
Amplitude Range	2g (standard) 15g, 30g, 60g (options)
Sample Rate	16,000 samples/second
Overall Filter Range	2.0 Hz to 4000 Hz

Environmental

Temperature Range	Vibration Module: -40° to +105°C (-40°F to +221°F) LoRa Transmitter Module: -40° to +85° C (-40°F to +185°F)
Material + IP Rating	Vibration Module: Material PPS, IP68 LoRa Transmitter Module: Material ASA, IP67
Mounting	Vibration Module: 1/4-28 Bolt (standard), Epoxy or Magnet (options) LoRa Transmitter Module: Magnet (standard), Mounting Bolt (option)

Battery

Battery Type	D-Cell, non rechargeable, <i>Lithium Thionyl Chloride</i>
Battery Life	Application dependent, 4+ years

Communication

LoRa Frequency	868 MHz for Europe and Middle East 915 MHz for North America
LoRa Range	Site dependent, up to 1 miles (1.5 kilometers) non-line-of-sight, up to 10 miles (15 kilometers) line-of-sight
Antenna	Built-in

Output

Vibration	Acceleration, Velocity, Time Waveform, Spectrum (FFT)
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Dimensions



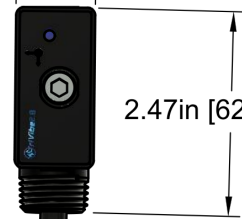
2.63in [66.83mm]



4.59in [116.61mm]

6.06in [153.90mm]

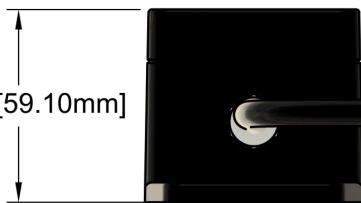
0.96in [24.32mm]



2.47in [62.81mm]

Cable Length: (Standard) 3.2 ft [1.0 Meter]
(Minimum) 1.0 ft [0.3 Meter]
(Maximum) 10.0 ft [3.0 Meter]

2.33in [59.10mm]



1.23in [31.20mm]



0.19in [4.85mm]

Bolt Size: (Standard) 1/4-28 UNF
(Available) M6-1.0

PROJECT
AirVibe

TITLE
AirVibe

APPROVED Leo Bach 5/1/2023

CHECKED Bryson Carroll 5/1/2023

DRAWN Luke Benjamin 5/1/2023

SIZE

A

SCALE

1:2

DWG NO

2023_05_01_01

REV

1.01

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