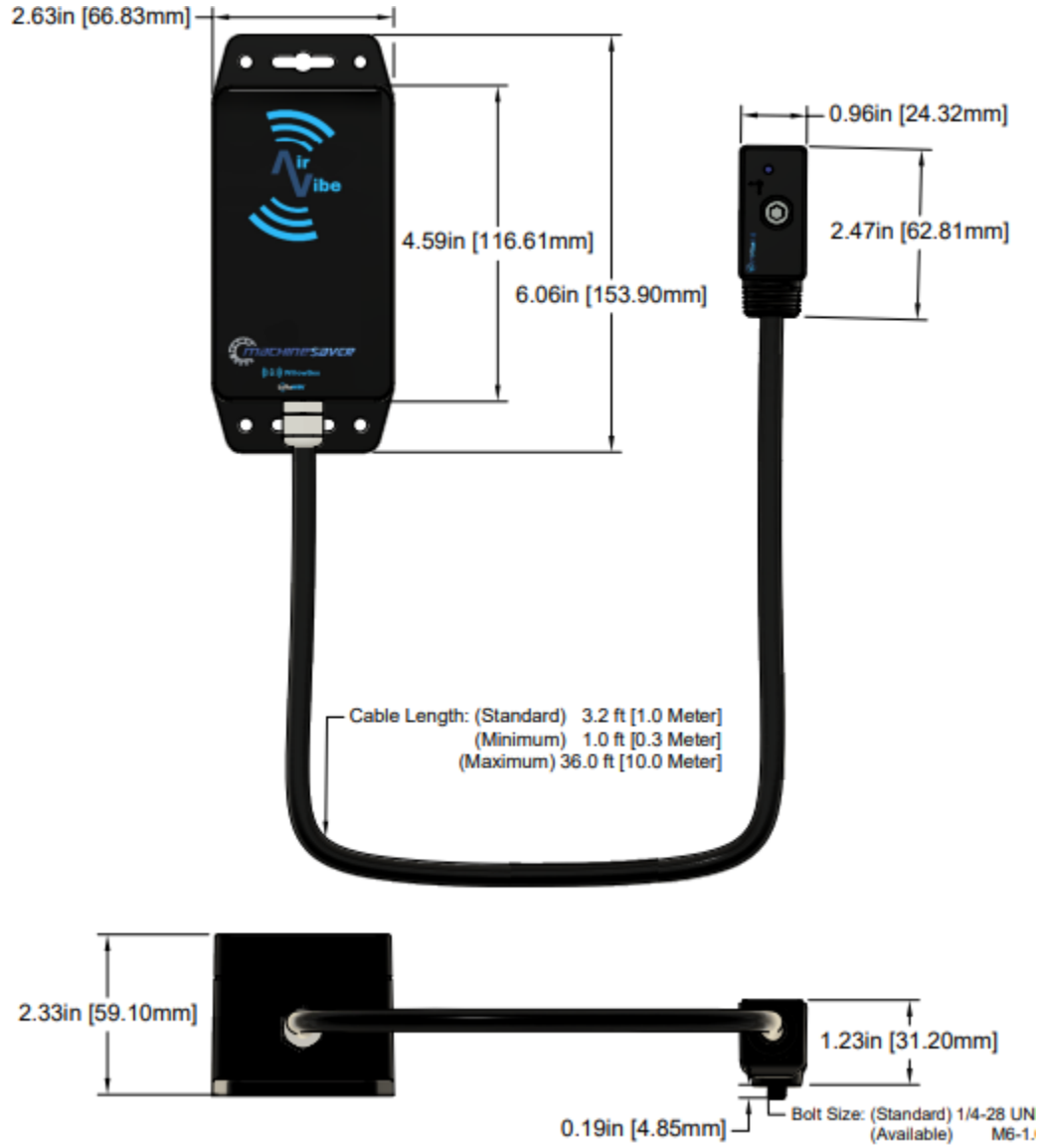


Arivibe: Dimensions and Specifications



Arivibe: Dimensions and Specifications

Specifications

Internal Sensor

Frequency Range	All Axes - 2.0 Hz to 6000 Hz
Amplitude Range	Software Selectable (peak): 8g (default), 2g, 4g, 16g Special order (peak): 32g, 64g
Overall Filter Range	2.0 Hz to 2000 Hz

Environmental

Temperature Range	Vibration Module: -40° to +105°C (-40°F to +221°F) LoRa Transmitter Module: -40° to +80°C (-40°F to +177°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, Lithium Thionyl Chloride
Battery Life	Application dependent, 4+ years

Arivibe: Dimensions and Specifications

Communication

LoRa Frequency	868 MHz for Europe, Middle East, and Africa 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

Arivibe: Dimensions and Specifications

Data specifications

Vibration	Acceleration, Velocity, Time Waveform, Spectrum (FFT)
Frequency Range	2 Hz to 6kHz [-3db]
Bandpass filter	FFT Filter up to 8192 points
Sampling Rate	Up to 15 kHz samples per second (default -software adjustable)
Noise Density	75 dBFS/Hz
Anti-aliasing Protected	Yes
HP/LP filter selections, order, rolloff	FFT Filter
Overall values	-3 axis Acceleration -3 axis Velocity -Temperature
Dynamic waveforms	Time waveform
OK detection	Self-diagnostics in software
Bias voltage	N/A
Engineering Units	G's, in/s, mils All of the above user-configurable
Engineering sub-units	Pk, Pk-Pk, RMS All of the above user-configurable
Alarming	Multiple alarms on overalls
Machine On Function	User Configurable