

# AC192 Series

Compact Multipurpose Accelerometer, Top Exit 2 Pin Connector, 100 mV/g, ±10%



VIBRATION ANALYSIS HARDWARE



## Product Features

High Performance in an Affordable Compact Sensor

Very Low Noise and Superior RF Immunity

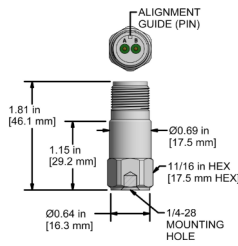
- ▶ 100 mV/g Sensitivity, ± 10%
- ▶ ± 80g Dynamic Range
- ▶ Standard 2 Pin MIL Connection or Integral Cable

Note: Integral Cable Options are only for Permanent Monitoring Applications

### AC192-1D

2 Pin Connector

Connector Pin	Polarity
A	(+) Signal/Power
B	(-) Common

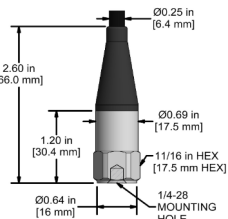


Stock Product

### AC192-2D

CB103 Integral Cable

Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire

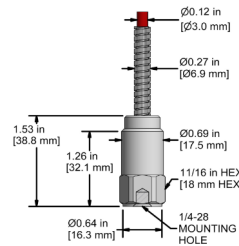


Built To Order

### AC192-3D

CB206 Armored Integral Cable

Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire

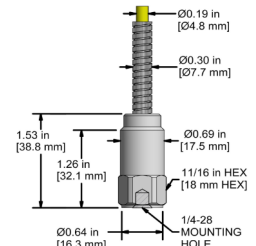


Built To Order

### AC192-6D

CB611 Heavy Duty Armored Integral Cable

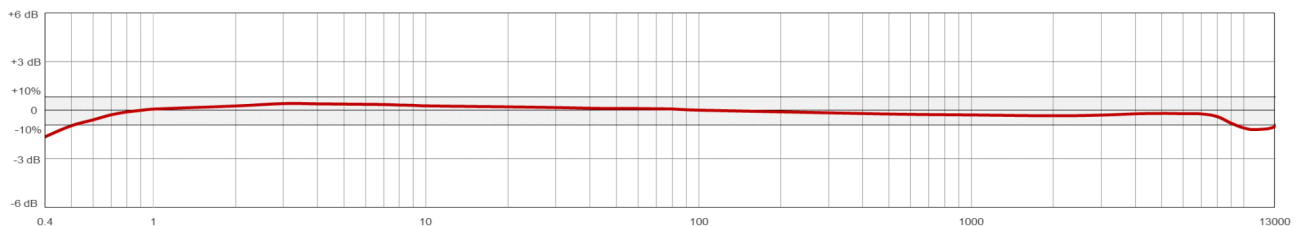
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC192	M/AC192	<b>Environmental</b>		
Sensitivity (±10%)		100 mV/g	Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (±3dB)	24-780,000 CPM	0,4-13000 Hz	Maximum Shock Protection		5000 g, Peak
Frequency Response (±10%)	60-540,000 CPM	1,0-9000 Hz	Electromagnetic Sensitivity		CE
Frequency Response (±5%)	600-300,000 CPM	10-5000 Hz	Sealing		Welded, Hermetic
Dynamic Range		± 80 g, peak	Submersible Depth	200 ft.	60 m
<b>Electrical</b>			SIL Rating		SIL 2
Settling Time		<2 Seconds	<b>Physical</b>		
Voltage Source (IEPE)		18-30 VDC	Sensing Element		PZT Ceramic
Constant Current Excitation		2-10 mA	Sensing Structure		Shear Mode
Spectral Noise @ 10 Hz		8 µg/√Hz	Weight	1.8 oz	51 grams
Spectral Noise @ 100 Hz		4 µg/√Hz	Case Material		316L Stainless Steel
Spectral Noise @ 1000 Hz		2 µg/√Hz	Mounting		1/4-28
Output Impedance		<100 ohm	Connector (Non-Integral)		2 Pin MIL-C-5015
Bias Output Voltage		10-14 VDC	Resonant Frequency	1,560,000 CPM	26000 Hz
Case Isolation		>10 <sup>8</sup> ohm	Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
			Mounting Hardware	1/4-28 Stud	M6x1 Adapter Stud
			Calibration Certificate		CA10

## Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

[www.ctconline.com](http://www.ctconline.com) | [sales@ctconline.com](mailto:sales@ctconline.com) | 585-924-5900