

AC192 Series



Compact Multipurpose Accelerometer, Top Exit 2 Pin Connector, 100 mV/g, $\pm 10\%$

VIBRATION ANALYSIS HARDWARE



Product Features

High Performance in an Affordable Compact Sensor

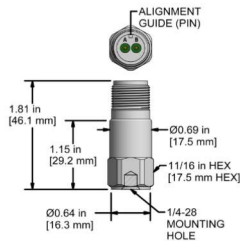
Very Low Noise and Superior RF Immunity

- ▶ 100 mV/g Sensitivity, $\pm 10\%$
- ▶ $\pm 80g$ Dynamic Range
- ▶ Standard 2 Pin MIL Connection on non integral options

AC192-1D

2 Pin Connector

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

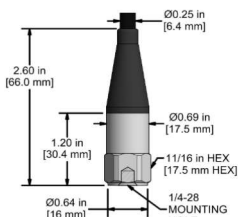


Stock Product

AC192-2D

CB103 Integral Cable

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

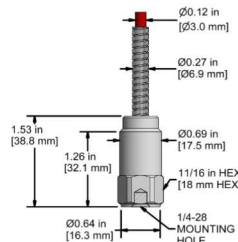


Built To Order

AC192-3D

CB206 Armored Integral Cable

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

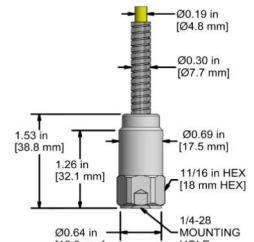


Built To Order

AC192-6D

CB611 Heavy Duty Armored Integral Cable

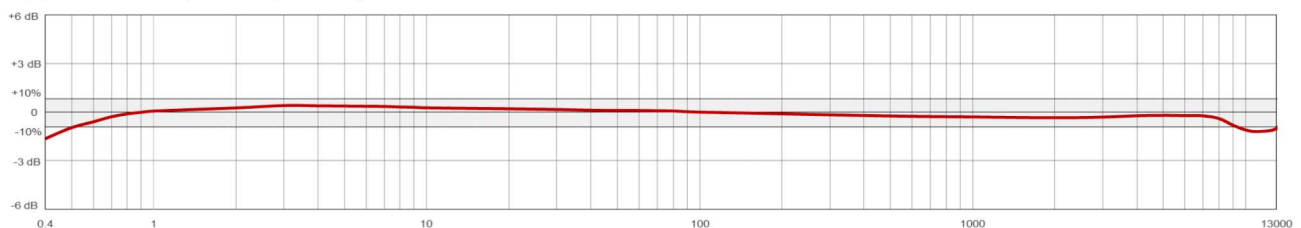
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC192	M/AC192	Environmental		
Sensitivity ($\pm 10\%$)		100 mV/g	Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response ($\pm 3dB$)	24-780,000 CPM	0.4-13000 Hz	Maximum Shock Protection		5000 g, Peak
Frequency Response ($\pm 10\%$)	60-540,000 CPM	1.0-9000 Hz	Electromagnetic Sensitivity		CE
Frequency Response ($\pm 5\%$)	600-300,000 CPM	10-5000 Hz	Sealing		Welded, Hermetic
Dynamic Range		$\pm 80 g$, peak	Submersible Depth	200 ft.	60 m
Electrical			Physical		
Settling Time		<2 Seconds	Sensing Element		PZT Ceramic
Voltage Source (IEPE)		18-30 VDC	Sensing Structure		Shear Mode
Constant Current Excitation		2-10 mA	Weight	1.8 oz	51 grams
Spectral Noise @ 10 Hz		8 $\mu g/\sqrt{Hz}$	Case Material		316L Stainless Steel
Spectral Noise @ 100 Hz		4 $\mu g/\sqrt{Hz}$	Mounting		1/4-28
Spectral Noise @ 1000 Hz		2 $\mu g/\sqrt{Hz}$	Connector (Non-Integral)		2 Pin MIL-C-5015
Output Impedance		<100 ohm	Resonant Frequency	1,560,000 CPM	26000 Hz
Bias Output Voltage		10-14 VDC	Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Case Isolation		>10 ⁸ ohm	Mounting Hardware	1/4-28 Stud	M6x1 Adapter Stud
			Calibration Certificate		CA10

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

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