

AC192 Series



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

VIBRATION ANALYSIS HARDWARE



Product Features

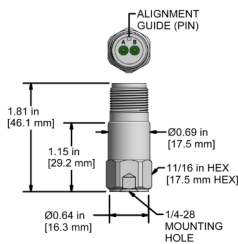
High Performance in an Affordable Compact Sensor

Very Low Noise and Superior RF Immunity

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

AC192-1D 2 Pin Connector

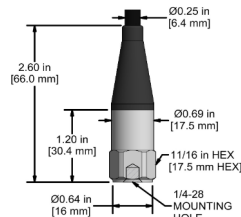
Connector Pin	Polarity
A	(+) Signal/Power
B	(-) Common



Stock Product

AC192-2D CB103 Integral Cable

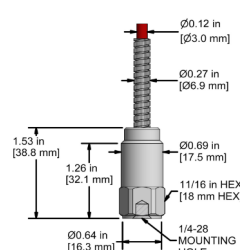
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

AC192-3D CB206 Armored Integral Cable

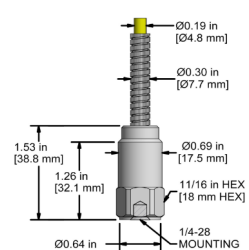
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



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 (±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
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 µg/√Hz	Case Material		316L Stainless Steel
Spectral Noise @ 100 Hz		4 µg/√Hz	Mounting		1/4-28
Spectral Noise @ 1000 Hz		2 µg/√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