

AC192 Series

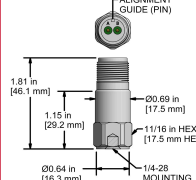
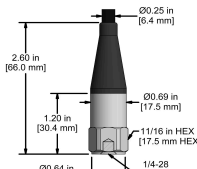
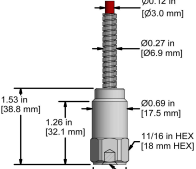
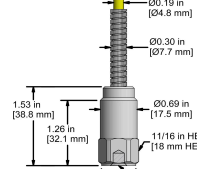
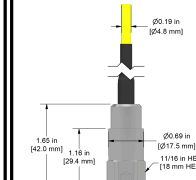
Compact Multipurpose Accelerometer, Top Exit 2 Pin Connector, 100 mV/g, ±10%



Product Features

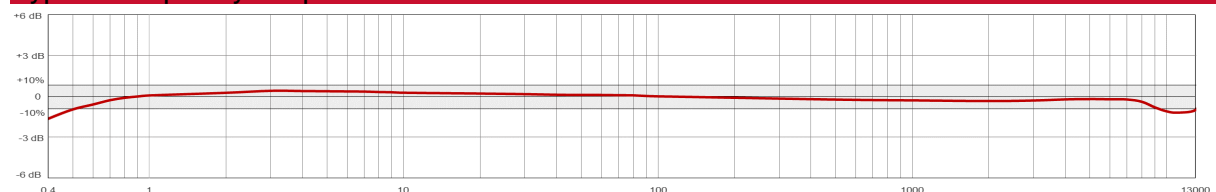
High Performance in an Affordable, Compact Sensor
Very Low Noise and Superior RF Immunity

- ▶ 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
- ▶ -6N Integral Cable Option Features Food-Safe, FDA-Compliant 21 CFR 177.1330 Polyolefin Heat Shrink

AC192-1D 2 Pin Connector	AC192-2D & -7A 2D = CB103 Integral Cable 7A = CB124 Integral Cable	AC192-3D CB206 Armored Integral Cable	AC192-6D CB611 Heavy Duty Armored Integral Cable	AC192-6N CB1111 Integral Cable																																						
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Stock Product	Built To Order	Built To Order	Built To Order	Built To Order																																						

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC192	M/ or M8/AC192	<u>Environmental</u>		
Sensitivity (±10%)	100 mV/g		Operating 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	
Dynamic Range	± 80 g, peak		Electromagnetic Sensitivity	CE	
Transverse Sensitivity	*Vsource ≥ 22V, 12Vbias ≤5%		Sealing	Welded, Hermetic	60 m
<u>Electrical</u>			Submersible Depth	200 ft.	
Settling Time	<2 Seconds		SIL Rating	SIL 2	
Voltage Source	18-30 VDC		<u>Physical</u>		
Constant Current Excitation	2-10 mA		Sensing Element	PZT Ceramic	
Spectral Noise @ 10 Hz	8 µg/√Hz		Sensing Structure	Shear Mode	
Spectral Noise @ 100 Hz	4 µg/√Hz		Weight	1.8 oz	51 grams
Spectral Noise @ 1000 Hz	2 µg/√Hz		Case Material	316L Stainless Steel	
Output Impedance	<100 ohm		Mounting Thread	1/4-28 Blind Tapped Hole	
Bias Output Voltage	10-14 VDC		Connector (Non-Integral)	2 Pin MIL-C-5015	
Case Isolation	>10 ⁸ ohm		Resonant Frequency	1,560,000 CPM	26000 Hz
			Mounting Torque	2 to 5 ft. lbs.	2.7 to 6.8 Nm
			Mounting Hardware Supplied	1/4-28 Stud	M6x1 or M8x1.25 Adapter Stud
			Calibration Certificate	CA10	

Typical Frequency Response



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