

AC292 Series

Premium Compact Accelerometer, Top Exit 2 Pin Connector, 100 mV/g, ±5%



VIBRATION ANALYSIS HARDWARE



Product Features

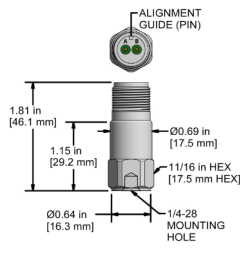
Superior RF Immunity in a Compact 100 mV/g Sensor

- ▶ ± 80 g, Dynamic Range
- ▶ 0.3 - 15,000 Hz (18-900,000 CPM) Frequency Response
- ▶ Standard 2 Pin MIL Connection or Integral Cable

Note: Integral Cable Options are only for Permanent Monitoring Applications

AC292-1D 2 Pin Connector

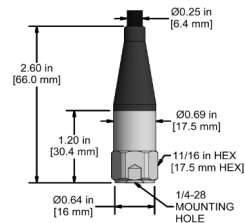
Connector Pin	Polarity
A	(+) Signal/Power
B	(-) Common



Stock Product

AC292-2D CB103 Integral Cable

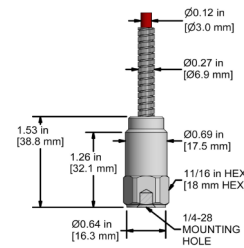
Conductor	Polarity
A	(+) Signal/Power
B	(-) Common
Shield	Cable Drain Wire



Built To Order

AC292-3D CB206 Armored Integral Cable

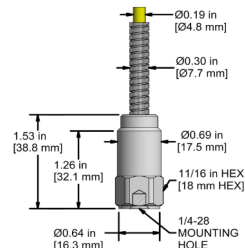
Conductor	Polarity
A	(+) Signal/Power
B	(-) Common
Shield	Cable Drain Wire



Built To Order

AC292-6D CB611 Heavy Duty Armored Integral Cable

Conductor	Polarity
A	(+) Signal/Power
B	(-) Common
Shield	Cable Drain Wire



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC292	M/ or M8/AC292	Environmental		
Sensitivity (±5%)	100 mV/g		Operating Temperature Range	-58 to 250 °F	-50 to 121 °C
Frequency Response (±3dB)	18-900,000 CPM	0,3-15000 Hz	Maximum Shock Protection	5,000 g, peak	
Frequency Response (±10%)	60-600,000 CPM	1,0-10000 Hz	Electromagnetic Sensitivity	CE	
Frequency Response (±5%)	600-300,000 CPM	10-5000 Hz	Sealing	Welded, Hermetic	
Dynamic Range	± 80 g, peak *Vsource ≥ 22V, 12Vbias		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 Thread	1/4-28 Blind Tapped Hole	
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				
Case Isolation	>10 ⁸ ohm				