

AC292 Series

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



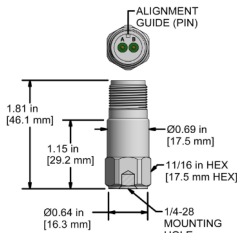
Product Features

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

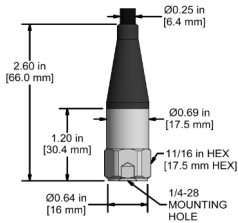
Connector	Polarity
Pin	
A	(+) Signal/Power
B	(-) Common



Stock Product

AC292-2D
CB103 Integral Cable

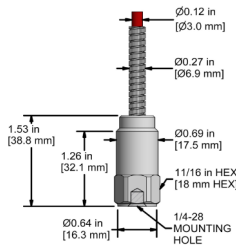
Conductor	Polarity
A	(+) Signal/Power
B	(-) Common
Shield	Cable Drain Wire



Built To Order

AC292-3D
CB206 Armored Integral Cable

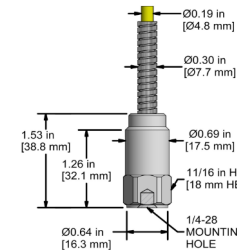
Conductor	Polarity
A	(+) Signal/Power
B	(-) Common
Shield	Cable Drain Wire



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
Part Number	AC292	M/ or M8/AC292
Sensitivity (±5%)	100 mV/g	
Frequency Response (±3dB)	18-900,000 CPM	0,3-15000 Hz
Frequency Response (±10%)	60-600,000 CPM	1,0-10000 Hz
Frequency Response (±5%)	600-300,000 CPM	10-5000 Hz

Dynamic Range ± 80 g, peak
*Vsource ≥ 22V, 12Vbias

Electrical

Settling Time	<2 Seconds
Voltage Source (IEPE)	18-30 VDC
Constant Current Excitation	2-10 mA
Spectral Noise @ 10 Hz	8 µg/√Hz
Spectral Noise @ 100 Hz	4 µg/√Hz
Spectral Noise @ 1000 Hz	2 µg/√Hz
Output Impedance	<100 ohm
Bias Output Voltage	10-14 VDC
Case Isolation	>10 ⁸ ohm

Specifications	Standard	Metric
Operating Temperature Range	-58 to 250 °F	-50 to 121 °C
Maximum Shock Protection	5,000 g, peak	
Electromagnetic Sensitivity	CE	
Sealing	Welded, Hermetic	
Submersible Depth	200 ft.	60 m

Physical

Sensing Element	PZT Ceramic
Sensing Structure	Shear Mode
Weight	1.8 oz 51 grams
Case Material	316L Stainless Steel
Mounting Thread	1/4-28 Blind Tapped Hole
Connector (Non-Integral)	2 Pin MIL-C-5015
Resonant Frequency	1,560,000 CPM 26000 Hz