

AC913 Series

Low Capacitance, Intrinsically Safe Accelerometer, Top Exit 2 Pin Connector, 50 mV/g, ±10%



VIBRATION ANALYSIS HARDWARE



Product Features

CSA / ATEX Approved

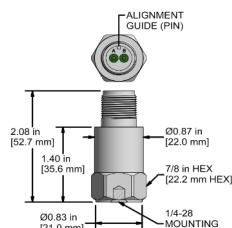
Excellent for Higher g Applications

- ▶ 1,0 - 15000 Hz (60-900,000 CPM) Frequency Response
- ▶ ±100 g Peak Dynamic Range
- ▶ Requires Intrinsic Safety Barrier

AC913-1A

2 Pin Connector

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

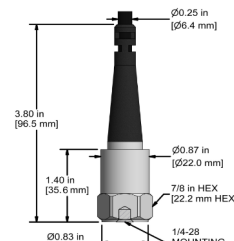


Stock Product

AC913-2C

CB193 Integral Cable

Conductor	Polarity
White	(+) Signal/Power
Black	(-) Common

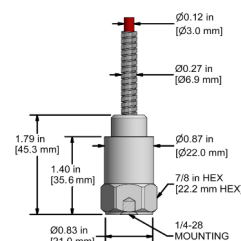


Built To Order

AC913-3C

CB296 Armored Integral Cable

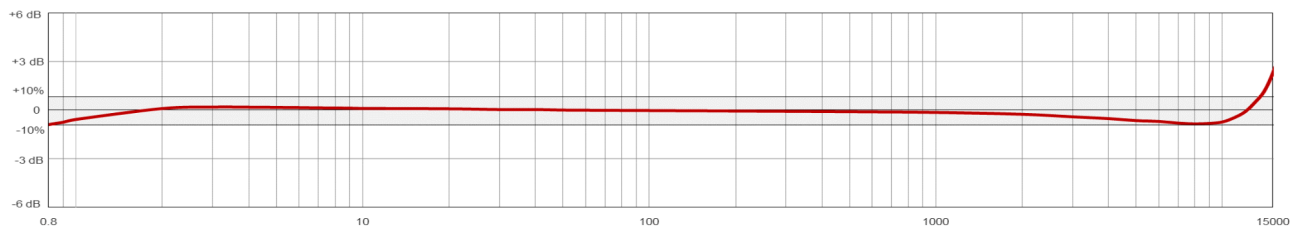
Conductor	Polarity
White	(+) Signal/Power
Black	(-) Common



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC913	M/AC913	Environmental		
Sensitivity (±10%)		50 mV/g	Temperature Range	-40 to 250°F	-40 to 121°C
Frequency Response (±3dB)	60-900,000 CPM	1,0-15000 Hz	Maximum Shock Protection	5,000 g, peak	
Frequency Response (±10%)	120-240,000 CPM		Electromagnetic Sensitivity	CE	
Dynamic Range		± 100 g, peak	Sealing	Welded, Hermetic	
Electrical			Submersible Depth	200 ft.	61 m
Settling Time		<3 Seconds	Physical		
Voltage Source (IEPE)		18-28 VDC	Sensing Element	PZT Ceramic	
Constant Current Excitation		2-4 mA	Sensing Structure	Shear Mode	
Spectral Noise @ 10 Hz		9 µg/√Hz	Weight	3.2 oz	90 grams
Spectral Noise @ 100 Hz		2 µg/√Hz	Case Material	316L Stainless Steel	
Spectral Noise @ 1000 Hz		1.6 µg/√Hz	Mounting	1/4-28	
Output Impedance		<100 ohm	Connector (Non-Integral)	2 Pin MIL-C-5015	
Bias Output Voltage		10-14 VDC	Resonant Frequency	1,380,000 CPM	23000 Hz
Case Isolation		>10 ⁹ ohm	Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
			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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