

# AC915 Series

Low Capacitance, Intrinsically Safe Accelerometer, Top Exit 2 Pin Connector, 100 mV/g, ±10%



VIBRATION ANALYSIS HARDWARE



II 1 GD



## Product Features

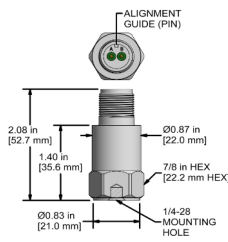
CSA / ATEX Approved

High Performance at a Reasonable Price

- ▶ 0,5-15000 (30-900,000 CPM)
- ▶ 100 mV/g Sensitivity ±10%
- ▶ Requires Intrinsic Safety Barrier

### AC915-1A 2 Pin Connector

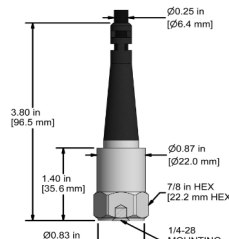
Connector Pin	Polarity
A	(+) Signal/Power
B	(-) Common



Stock Product

### AC915-2C CB190 Integral Cable

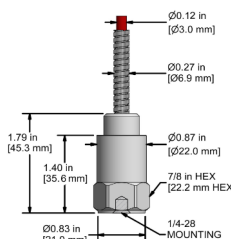
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

### AC915-3C CB206 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	AC915	M/AC915	<b>Environmental</b>		
Sensitivity (±10%)		100 mV/g	Temperature Range	-40 to 250°F	-40 to 121°C
Frequency Response (±3dB)	30-900,000 CPM	0,5-15000 Hz	Maximum Shock Protection	5,000 g, peak	
Frequency Response (±10%)	60-600,000 CPM	1,0-10000 Hz	Electromagnetic Sensitivity	CE	
Dynamic Range		± 80 g, peak	Sealing	Welded, Hermetic	
<b>Electrical</b>			Submersible Depth	200 ft.	61 m
Settling Time		<3 Seconds	<b>Physical</b>		
Voltage Source (IEPE)		18-28 VDC	Sensing Element	PZT Ceramic	
Constant Current Excitation		2-4 mA	Sensing Structure	Shear Mode	
Spectral Noise @ 10 Hz		6.5 µg/√Hz	Weight	3.2 oz	90 grams
Spectral Noise @ 100 Hz		2 µg/√Hz	Case Material	316L Stainless Steel	
Spectral Noise @ 1000 Hz		1.8 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 <sup>8</sup> 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	