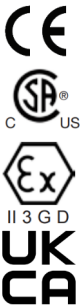


AC933 Series

Low Capacitance, Class I, Division 2 / Zone 2 Accelerometer, Top Exit 2 Pin Connector, 50 mV/g, ±10%

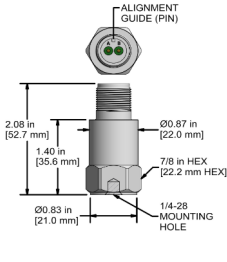


Product Features

- Class I, Division 2 / Zone 2 Rating
- Must Use "Class I, Division 2" CB190 or CB296 Cable and Q2A or Q2N Connectors
- ▶ ±100 g, Dynamic Range
 - ▶ 50 mV/g, ±10% Sensitivity
 - ▶ 0,8-15000 Hz (48-900,000 CPM) Frequency Response

AC933-1A
2 Pin Connector

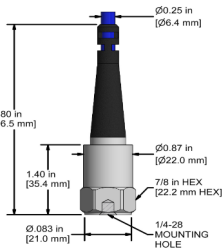
Connector	Polarity
Pin	
A	(+) Signal/Power
B	(-) Common



Stock Product

AC933-2C
CB190 Integral Cable

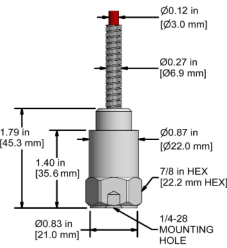
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

AC933-3C
CB296 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	AC933	M/ or M8/AC933	<u>Environmental</u>		
Sensitivity (±10%)	50 mV/g		Operating Temperature Range	-40 to 250 °F	-40 to 121 °C
Frequency Response (±3dB)	48-900,000 CPM	0,8-15000 Hz	Maximum Shock Protection	5,000 g, peak	
Frequency Response (±10%)	90-390,000 CPM	1,5-6500 Hz	Electromagnetic Sensitivity	CE	
Dynamic Range	± 100 g, peak		Sealing	IP68	
<u>Electrical</u>			<u>Physical</u>		
Settling Time	<3 Seconds		Sensing Element	PZT Ceramic	
Voltage Source (IEPE)	18-28 VDC		Sensing Structure	Shear Mode	
Constant Current Excitation	2-10 mA		Weight	3.2 oz	91 grams
Spectral Noise @ 10 Hz	30 µg/√Hz		Case Material	316L Stainless Steel	
Spectral Noise @ 100 Hz	25 µg/√Hz		Mounting Thread	0.83 in (21 mm) Diameter Mounting Base with 1/4-28 Blind Tapped Hole	
Spectral Noise @ 1000 Hz	25 µg/√Hz				
Output Impedance	<100 ohm				
Bias Output Voltage	10-14 VDC				
Case Isolation	>10 ⁸ ohm				