

# AC211 Series

Premium Accelerometer, Side Exit Connector / Cable, 100 mV/g



VIBRATION ANALYSIS HARDWARE



## Product Features

High Performance Side Exit Sensor for Demanding Applications

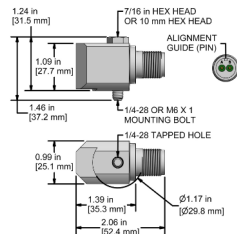
High Dynamic Range with Excellent Frequency Response

- ▶ ±80 g, Dynamic Range
- ▶ Excellent Bias Stability throughout operating temperature range
- ▶ 100 mV/g ±5%

### AC211-1D

2 Pin Connector

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

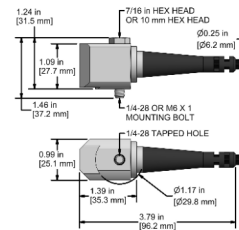


Stock Product

### AC211-2D

Integral Cable

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

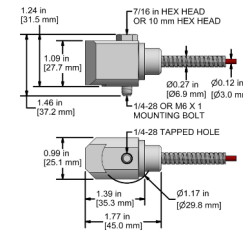


Built To Order

### AC211-3D

Armored Integral Cable

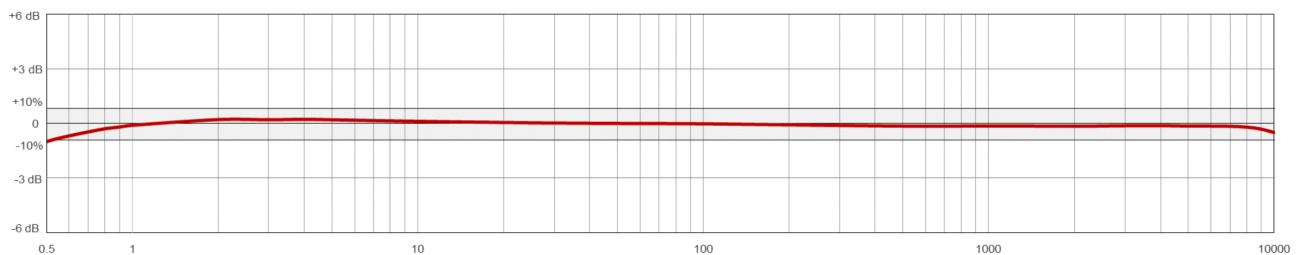
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC211	M/AC211	<b>Environmental</b>		
Sensitivity (+5%)	100 mV/g		Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (±3dB)	30-600,000 CPM	0.5-10000 Hz	Maximum Shock Protection	5,000 g, peak	
Frequency Response (±10%)	60-240,000 CPM	1.0-4000 Hz	Electromagnetic Sensitivity	CE	
Frequency Response (±5%)	120-180,000 CPM	2.0-3000 Hz	Sealing	Welded, Hermetic	
Dynamic Range	± 80 g, peak		Submersible Depth	200 ft.	60 m
<b>Electrical</b>			<b>Physical</b>		
Settling Time	<2.0 seconds		Sensing Element	PZT Ceramic	
Voltage Source (IEPE)	18-30 VDC		Sensing Structure	Shear Mode	
Constant Current Excitation	2-10 mA		Weight	5.1 oz	145 grams
Spectral Noise @ 10 Hz	8 µg/√Hz		Case Material	316L Stainless Steel	
Spectral Noise @ 100 Hz	4 µg/√Hz		Mounting	1/4-28	
Spectral Noise @ 1000 Hz	2 µg/√Hz		Connector (Non-Integral)	2 Pin MIL-C-5015	
Output Impedance	<100 ohm		Resonant Frequency	1,320,000 CPM	22000 Hz
Bias Output Voltage	10-14 VDC		Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Case Isolation	>10 <sup>8</sup> ohm		Mounting Hardware	1/4-28 Captive Bolt	M6x1 Captive Bolt
			Calibration Certificate	CA10	

## Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

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