

AC211 Series

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



VIBRATION ANALYSIS HARDWARE



Product Features

High Performance Side Exit Sensor for Demanding Applications

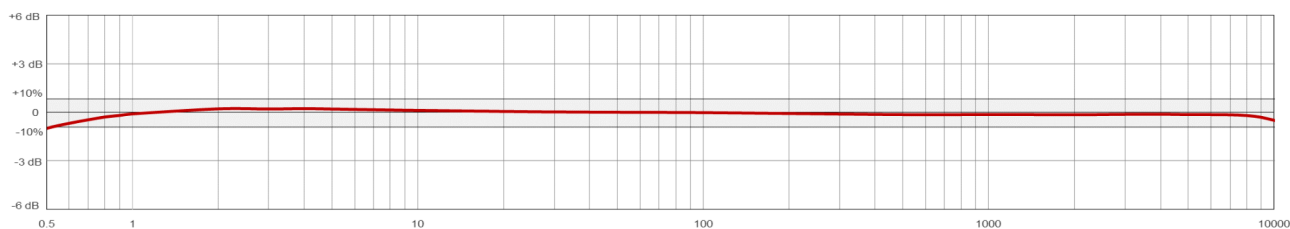
High Dynamic Range with Excellent Frequency Response

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

AC211-1D 2 Pin Connector	AC211-2D CB103 Integral Cable	AC211-3D CB206 Armored Integral Cable	AC211-6D CB611 Heavy Duty Armored Integral Cable																														
<table border="1"> <tr><th>Connector Pin</th><th>Polarity</th></tr> <tr><td>A</td><td>(+) Signal/Power</td></tr> <tr><td>B</td><td>(-) Common</td></tr> </table> <p>Stock Product</p>	Connector Pin	Polarity	A	(+) Signal/Power	B	(-) Common	<table border="1"> <tr><th>Conductor</th><th>Polarity</th></tr> <tr><td>Red</td><td>(+) Signal/Power</td></tr> <tr><td>Black</td><td>(-) Common</td></tr> <tr><td>Shield</td><td>Cable Drain Wire</td></tr> </table> <p>Built To Order</p>	Conductor	Polarity	Red	(+) Signal/Power	Black	(-) Common	Shield	Cable Drain Wire	<table border="1"> <tr><th>Conductor</th><th>Polarity</th></tr> <tr><td>Red</td><td>(+) Signal/Power</td></tr> <tr><td>Black</td><td>(-) Common</td></tr> <tr><td>Shield</td><td>Cable Drain Wire</td></tr> </table> <p>Built To Order</p>	Conductor	Polarity	Red	(+) Signal/Power	Black	(-) Common	Shield	Cable Drain Wire	<table border="1"> <tr><th>Conductor</th><th>Polarity</th></tr> <tr><td>Red</td><td>(+) Signal/Power</td></tr> <tr><td>Black</td><td>(-) Common</td></tr> <tr><td>Shield</td><td>Cable Drain Wire</td></tr> </table> <p>Built To Order</p>	Conductor	Polarity	Red	(+) Signal/Power	Black	(-) Common	Shield	Cable Drain Wire
Connector Pin	Polarity																																
A	(+) Signal/Power																																
B	(-) Common																																
Conductor	Polarity																																
Red	(+) Signal/Power																																
Black	(-) Common																																
Shield	Cable Drain Wire																																
Conductor	Polarity																																
Red	(+) Signal/Power																																
Black	(-) Common																																
Shield	Cable Drain Wire																																
Conductor	Polarity																																
Red	(+) Signal/Power																																
Black	(-) Common																																
Shield	Cable Drain Wire																																

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC211	M/AC211	Environmental		
Sensitivity (±5%)	100 mV/g		Operating 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 *Vsource ≥ 22V, 12Vbias		Submersible Depth	200 ft.	60 m
Electrical			Physical		
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		Connector (Non-Integral)	2 Pin MIL-C-5015	
Spectral Noise @ 1000 Hz	2 µg/√Hz		Resonant Frequency	1,320,000 CPM	22000 Hz
Output Impedance	<100 ohm		Mounting Torque	2 to 5 ft. lbs.	2.7 to 6.8 Nm
Bias Output Voltage	10-14 VDC		Mounting Hardware Supplied	1/4-28 Captive Bolt	M6x1 Captive Bolt
Case Isolation	>10 ⁸ ohm		Calibration Certificate	CA10	

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty & Free Annual Recalibration Service

www.ctconline.com | sales@ctconline.com | 585-924-5900