AC208 Series

High Temperature IEPE Accelerometer, 325 °F (162 °C) Max Temp, Side Exit 2 Pin Connector, 100 mV/g, ±10%

VIBRATION ANALYSIS HARDWARE

Product Features

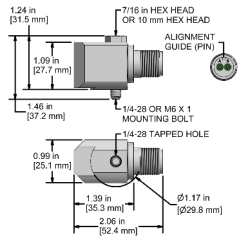
High Temperature (325°F) Side Exit Sensor

Proven Side Exit Sensor for Standard High Temperature Applications

- Resistant to Temperatures Up to 325°F, (162°C)
- Great for Extended Use at High Temperatures
- Improved RF Immunity

AC208-1D
2 Pin Connector

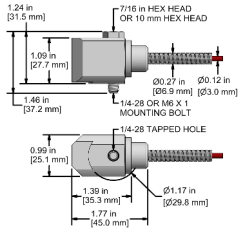
Connector Pin	Polarity
A	(+) Signal/Power
B	(-) Common



Stock Product

AC208-5D
CB206 Armored Integral Cable

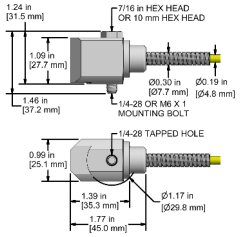
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

AC208-6D
CB611 Heavy Duty Armored Integral Cable

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

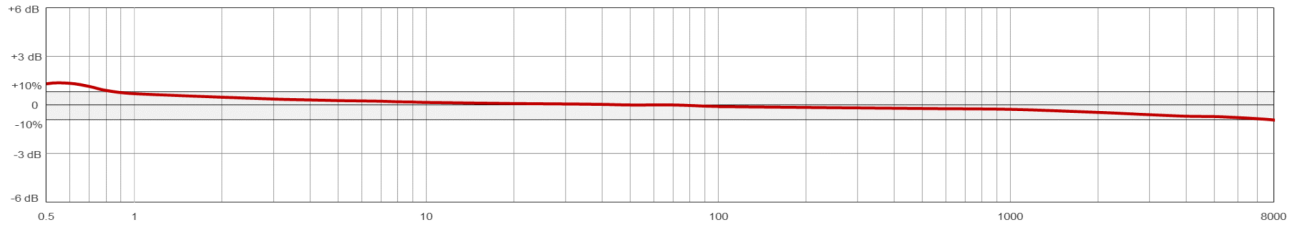


Built To Order

Specifications	Standard	Metric
Part Number	AC208	M/AC208
Sensitivity (±10%)	100 mV/g	
Frequency Response (±3dB)	30-660,000 CPM	0,5-11000 Hz
Frequency Response (±10%)	120-180,000 CPM	2,0-3000 Hz
Dynamic Range	± 80 g, peak	
Electrical		
Settling Time	<2.5 seconds	
Voltage Source (IEPE)	18-30 VDC	
Constant Current Excitation	2-10 mA	
Spectral Noise @ 10 Hz	8 µg/√Hz	
Spectral Noise @ 100 Hz	.82 µg/√Hz	
Spectral Noise @ 1000 Hz	.3 µg/√Hz	
Output Impedance	<100 ohm	
Bias Output Voltage	10-14 VDC	
Case Isolation	>10^8 ohm	

Specifications	Standard	Metric
Environmental		
Temperature Range	-58 to 325°F	-50 to 162°C
Maximum Shock Protection	5,000 g, peak	
Electromagnetic Sensitivity	CE	
Sealing	Welded, Hermetic	
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	5.1 oz	145 grams
Case Material	316L Stainless Steel	
Mounting	1/4-28	
Connector (Non-Integral)	2 Pin MIL-C-5015	
Resonant Frequency	1,200,000 CPM	20000 Hz
Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
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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