AC208 Series

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

VIBRATION ANALYSIS HARDWARE

Product Features

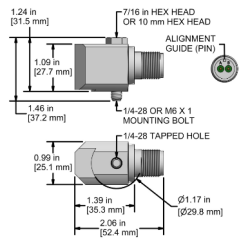
High Temperature (325 °F) Side-Exit Sensor

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

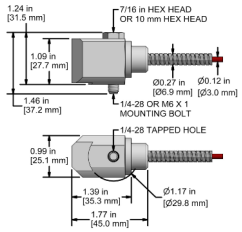
AC208-1D
2 Pin Connector

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



AC208-5D
CB206 Armored Integral Cable

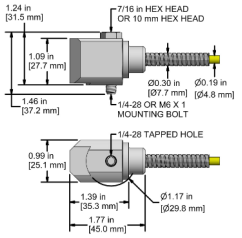
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



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
Dynamic Range	± 80 g, peak *Vsource ≥ 22V, 12Vbias	
Electrical		
Settling Time	<2.5 seconds	
Voltage Source	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		
Operating Temperature Range	-58 to 325 °F	-50 to 162 °C
Maximum Shock Protection	5,000 g, peak	
Electromagnetic Sensitivity	CE	
Sealing	Welded, Hermetic	
SIL Rating	SIL 2	
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	5.1 oz	145 grams
Case Material	316L Stainless Steel	
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 Supplied	1/4-28 Captive Bolt	M6x1 Captive Bolt
Calibration Certificate	CA10	

Typical Frequency Response