

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

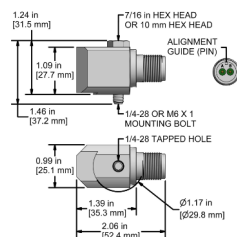
Proven Side-Exit Sensor for Standard High-Temperature Applications

- ▶ 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

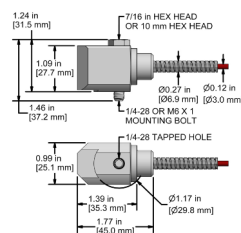


Stock Product

AC208-5D

CB206 Armored Integral Cable

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

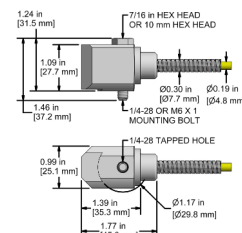


Built To Order

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	Specifications	Standard	Metric
Part Number	AC208	M/AC208	<u>Environmental</u>		
Sensitivity (±10%)	100 mV/g		Operating Temperature Range	-58 to 325 °F	-50 to 162 °C
Frequency Response (±3dB)	30-660,000 CPM	0.5-11000 Hz	Maximum Shock Protection	5,000 g, peak	
Dynamic Range	± 80 g, peak *Vsource ≥ 22V, 12Vbias		Electromagnetic Sensitivity	CE	
Transverse Sensitivity	≤5%		Sealing	Welded, Hermetic	
<u>Electrical</u>			SIL Rating	SIL 2	
Settling Time	<2.5 seconds		<u>Physical</u>		
Voltage Source	18-30 VDC		Sensing Element	PZT Ceramic	
Constant Current Excitation	2-10 mA		Sensing Structure	Shear Mode	
Spectral Noise @ 10 Hz	8 µg/√Hz		Weight	5.1 oz	145 grams
Spectral Noise @ 100 Hz	.82 µg/√Hz		Case Material	316L Stainless Steel	
Spectral Noise @ 1000 Hz	.3 µg/√Hz		Connector (Non-Integral)	2 Pin MIL-C-5015	
Output Impedance	<100 ohm		Resonant Frequency	1,200,000 CPM	20000 Hz
Bias Output Voltage	10-14 VDC		Mounting Torque	2 to 5 ft. lbs.	2.7 to 6.8 Nm
Case Isolation	>10 ⁹ ohm		Mounting Hardware Supplied	1/4-28 Captive Bolt	M6x1 Captive Bolt
			Calibration Certificate	CA10	

Typical Frequency Response

