

AC308 Series

Premium, High Temperature IEPE Accelerometer, 325 °F (162 °C) Maximum Temperature, Side Exit 2 Pin Connector, 100 mV/g, ±5%



VIBRATION ANALYSIS HARDWARE



Product Features

High Temperature Resistance (325 °F) Side-Exit Sensor

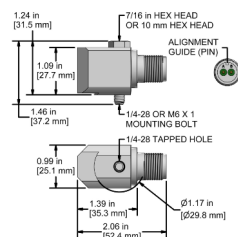
Proven Side Exit Sensor for Standard High-Temperature Applications

- ▶ Great for Extended Use at High Temperatures
- ▶ Improved RF Immunity

AC308-1A

2 Pin Connector

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

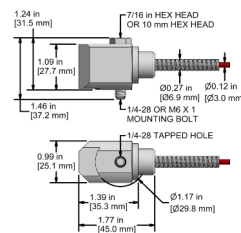


Stock Product

AC308-5A

CB206 Armored Integral Cable

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

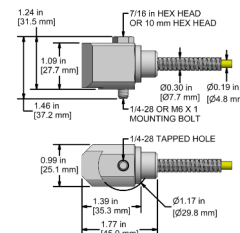


Built To Order

AC308-6A

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	AC308	M/AC308	<u>Environmental</u>		
Sensitivity (±5%)	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	
Frequency Response (±10%)	120-240,000 CPM	2,0-4000 Hz	Electromagnetic Sensitivity	CE	
Dynamic Range	± 80 g, peak *Vsource ≥ 22V, 12Vbias		Sealing	Welded, Hermetic	
Transverse Sensitivity	≤5%		SIL Rating	SIL 2	
<u>Electrical</u>			<u>Physical</u>		
Settling Time	<2.5 seconds		Sensing Element	PZT Ceramic	
Voltage Source	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	.82 µg/√Hz		Connector (Non-Integral)	2 Pin MIL-C-5015	
Spectral Noise @ 1000 Hz	.3 µg/√Hz		Resonant Frequency	1,200,000 CPM	20000 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

