High Temperature Accelerometer, Side Exit Connector/Cable, 100 mV/g

Actual Product Size Shown

Product Features

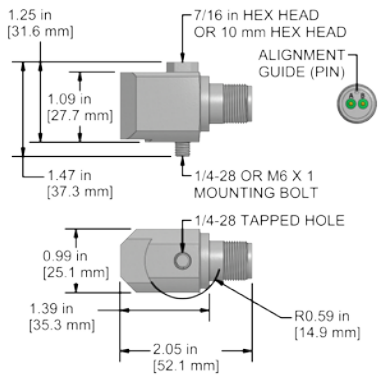
High Temperature (302°F) Side Exit Sensor

Popular, Proven Side Exit Sensor for Standard High Temperature Applications

- *Resistant to Temperatures Up to 302°F (150°C)*
- *6C version has armor, Heavy Duty Teflon® Jacketed Cable with Braided Shield for Demanding Applications*
- *±80 g, Peak Dynamic Range*

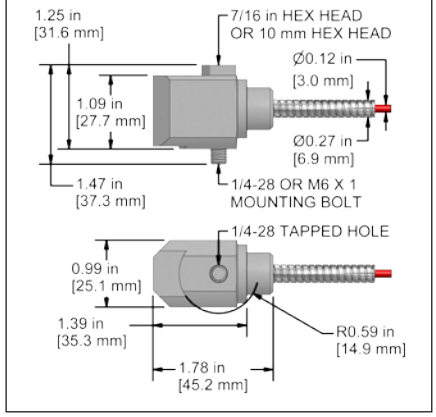
AC208-1A
2 Pin Connector

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



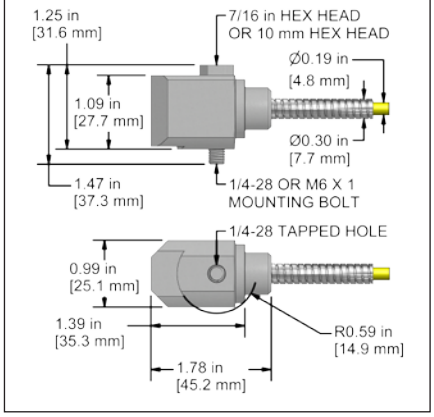
AC208-5C
Armored Integral Cable

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



AC208-6C
Heavy Duty Armored Integral Cable

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



Specifications	Standard	Metric
Part Number	AC208	M/AC208
Sensitivity (±10%)	100 mV/g	
Frequency Response (±3dB)	60-480,000 CPM	1,0-8000 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	0.82 µg/√Hz	
Spectral Noise @ 1000 Hz	0.3 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 302°F	-50 to 150°C
Maximum Shock Protection	5,000 g, peak	
Electromagnetic Sensitivity	CE	
Sealing	IP68	
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	5.1 oz	145 grams
Case Material	316L Stainless Steel	
Mounting Hole	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	

Ordering Information

Standard	AC208-1A (1/4-28 Captive Bolt) Stock Product	AC208-5C - / (1/4-28 Captive Bolt) Build To Order [ ][ ][ ]-[ ] (length in feet) (termination)	AC208-6C - / (1/4-28 Captive Bolt) Build To Order [ ][ ][ ] / [ ][ ][ ] - [ ] (maximum armor length 100 ft.) (cable length in feet) (termination)
Metric	M/AC208-1A (M6x1 Captive Bolt) Stock Product	M/AC208-5C - / (M6x1 Captive Bolt) Build To Order [ ][ ][ ]-[ ] (length in feet) (termination) [ ][ ][ ]M-[ ] (length in meters) (termination)	M/AC208-6C - / (M6x1 Captive Bolt) Build To Order [ ][ ][ ] / [ ][ ][ ] - [ ] (maximum armor length 100 ft.) (cable length in feet) (termination) [ ][ ][ ]M / [ ][ ][ ]M / [ ] (maximum armor length 30 m) (cable length in meters) (termination)

Cable Termination Options: E F L Z