AC207 Series

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

VIBRATION ANALYSIS HARDWARE

Product Features

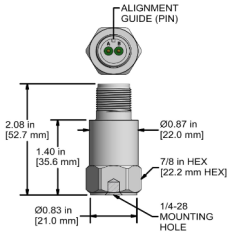
High Temperature (325 °F) Sensor

Proven 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

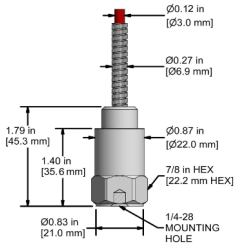
AC207-1D
2 Pin Connector

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



AC207-5D
CB206 Armored Integral Cable

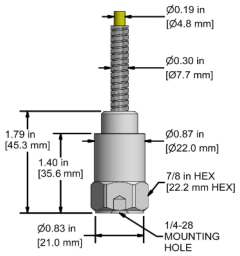
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

AC207-6D
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	AC207	M/ or M8/AC207
Sensitivity (±10%)	100 mV/g	
Frequency Response (±3dB)	30-750,000 CPM	0,5-12500 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	3 oz.	86 grams
Case Material	316L Stainless Steel	
Mounting Thread	1/4-28 Blind Tapped Hole	
Connector (Non-Integral)	2 Pin -MIL-C-5015	
Resonant Frequency	1,380,000 CPM	23000 Hz
Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Mounting Hardware Supplied	1/4-28 Stud	M6x1 or M8x1.25 Adapter Stud
Calibration Certificate	CA10	

Typical Frequency Response