

AC307 Series

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

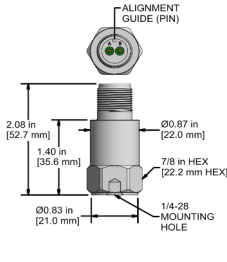


Product Features

- High Temperature Resistance (325 °F) Sensor
- Proven Sensor for Standard High Temperature Applications
- ▶ Great for Extended Use at High Temperatures
 - ▶ Improved RF Immunity

AC307-1A
2 Pin Connector

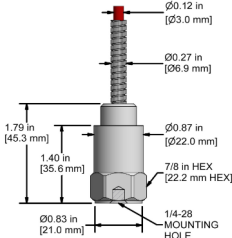
Connector	Polarity
Pin	
A	(+) Signal/Power
B	(-) Common



Stock Product

AC307-5A
CB206 Armored Integral Cable

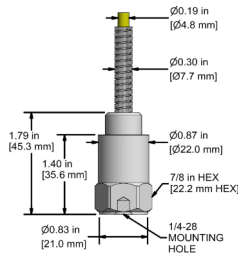
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

AC307-6A
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	AC307	M/ or M8/AC307
Sensitivity (±5%)	100 mV/g	
Frequency Response (±3dB)	30-750,000 CPM	0,5-12500 Hz
Frequency Response (±10%)	120-360,000 CPM	2,0-6000 Hz
Dynamic Range	±80 g, peak *Vsource ≥ 22V, 12Vbias	

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	.82 µg/√Hz
Spectral Noise @ 1000 Hz	.3 µg/√Hz
Output Impedance	<100 ohm
Bias Output Voltage	10-14 VDC

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	
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