

AC307 Series



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

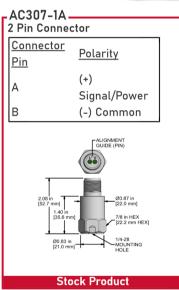


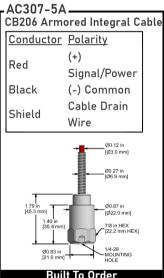


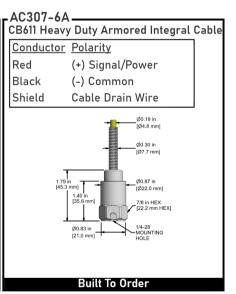
Product Features

High Temperature Resistance (325 °F) Sensor Proven Sensor for Standard High Temperature Applications

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







Specifications	Standard	Metric	Specifications	Standard		Metric
Part Number	AC307	M/ or M8/AC307	<u>Environmental</u>	-58 to 325		-50 to
Sensitivity (±5%)	100 mV/g	•	Operating Temperature Range	° F		162 °C
Frequency Response (±3dB)	30-750,000 CPM	0,5-12500 Hz	Maximum Shock Protection		5,000 g, peak	
		2,0-6000	Electromagnetic Sensitivity		CE	
Frequency Response (±10%)	120-360,000 CPM	Hz	Sealing		Welded, Hermetic	
Dynamic Range	±80 g,	•	<u>Physical</u>			
	peak *Vsource		Sensing Element		PZT Ceramic	
	≥ 22V, 12Vbias		Sensing Structure		Shear Mode	
<u>Electrical</u>			\A/-:	2		86
Settling Time	<2.5		Weight	3 oz.	grams	
	Seconds				316L	
Voltage Source (IEPE)	18-30		Case Material		Stainless	
	VDC				Steel	
Constant Current Excitation	2-10 mA 8 μg/√Hz .82 μg/ √Hz				1/4-28	
Spectral Noise @ 10 Hz			Mounting Thread		Blind	
Spectral Noise @ 100 Hz					Tapped	
					Hole	
Spectral Noise @ 1000 Hz	.3 μg/ √Hz <100 ohm		Connector (Non-Integral)		2 Pin -	
					MIL-	
Output Impedance					C-5015	
Bias Output Voltage	10-14 VDC		Resonant Frequency	1,380,000 CPM		23000 Hz