

AC288 Series

High Temperature IEPE Accelerometer, 325 °F (162 °C) Maximum Temperature, M8x1.25 Captive Bolt, Side Exit 2 Pin Connector, 100 mV/g, ±10%



Product Features

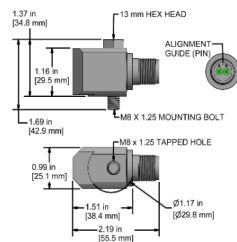
High Temperature (325 °F) Side-Exit Sensor

- ▶ Functional to Temperatures up to 325 °F (162 °C)
- ▶ Great for Extended use at High Temperatures
- ▶ Monitors in Temperatures as Low as -58 °F (-50 °C)

AC288-1D

2 Pin Connector

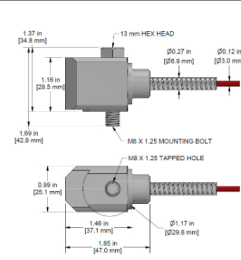
Connector Pin	Polarity
A	(+) Signal/Power
B	(-) Common



AC288-5D

CB206 Armored Integral Cable

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

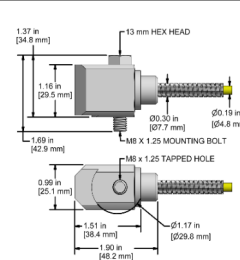


Built To Order

AC288-6D

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	AC288		Environmental		
Sensitivity (±10%)		100 mV/g	Operating Temperature Range	-58 to 325 °F	-50 to 162 °C
Frequency Response (±3dB)	30-480,000 CPM	0.5-8000 Hz	Maximum Shock Protection		5,000 g, peak
Dynamic Range		± 80 g, peak *Vsource ≥ 22V, 12Vbias	Electromagnetic Sensitivity		CE
Electrical			Sealing		Welded, Hermetic
Settling Time		<2.5 seconds	Submersible Depth	200 ft.	60 m
Voltage Source		18-30 VDC	SIL Rating		SIL 2
Constant Current Excitation		2-10 mA	Physical		
Spectral Noise @ 10 Hz		8 µg/√Hz	Sensing Element		PZT Ceramic
Spectral Noise @ 100 Hz		0.82 µg/√Hz	Sensing Structure		Shear Mode
Spectral Noise @ 1000 Hz		0.3 µg/√Hz	Weight	6 oz	170 grams
Output Impedance		<100 ohm	Case Material		316L Stainless Steel
Bias Output Voltage		10-14 VDC	Connector (Non-Integral)		2 Pin MIL-C-5015
Case Isolation		>10 ⁸ ohm	Resonant Frequency	1,200,00 CPM	20000 Hz
			Mounting Torque	2 to 5 ft. lbs	2.7 to 6.8 Nm
			Mounting Hardware Supplied	M8x1.25 Captive Bolt	
			Calibration Certificate		CA10

Typical Frequency Response

