

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

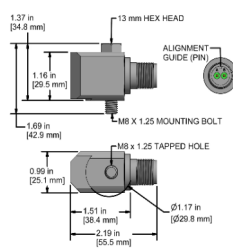
High Temperature (325 °F) Side-Exit Sensor

- 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

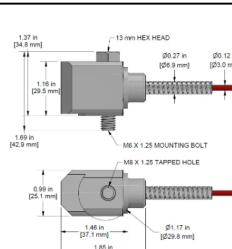


Stock Product

AC288-5D

CB206 Armored Integral Cable

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

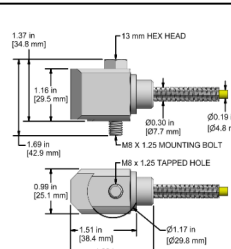


Built To Order

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		Electromagnetic Sensitivity	CE	
Transverse Sensitivity	*Vsource ≥ 22V, 12Vbias	≤5%	Sealing	Welded, Hermetic	
Electrical			Submersible Depth	200 ft.	60 m
Settling Time	<2.5 seconds		SIL Rating	SIL 2	
Voltage Source	18-30 VDC		Physical		
Constant Current Excitation	2-10 mA		Sensing Element	PZT Ceramic	
Spectral Noise @ 10 Hz	8 µg/√Hz		Sensing Structure	Shear Mode	
Spectral Noise @ 100 Hz	0.82 µg/√Hz		Weight	6 oz	170 grams
Spectral Noise @ 1000 Hz	0.3 µg/√Hz		Case Material	316L Stainless Steel	
Output Impedance	<100 ohm		Connector (Non-Integral)	2 Pin MIL-C-5015	
Bias Output Voltage	10-14 VDC		Resonant Frequency	1,200,00 CPM	20000 Hz
Case Isolation	>10 ⁸ ohm		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

