

AC288 Series



VIBRATION ANALYSIS HARDWARE

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



Product Features

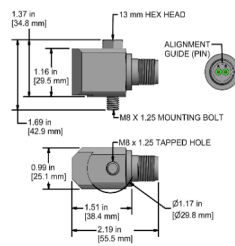
High Temperature (325°F) Side Exit Sensor

- ▶ 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

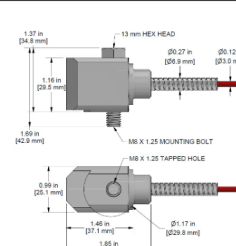


Stock Product

AC288-5D

CB206 Armored Integral Cable

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

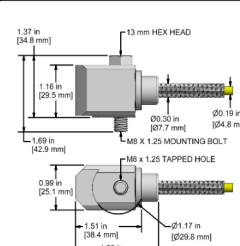


Built To Order

AC288-6D

CB611 Heavy Duty Armored Integral Cable

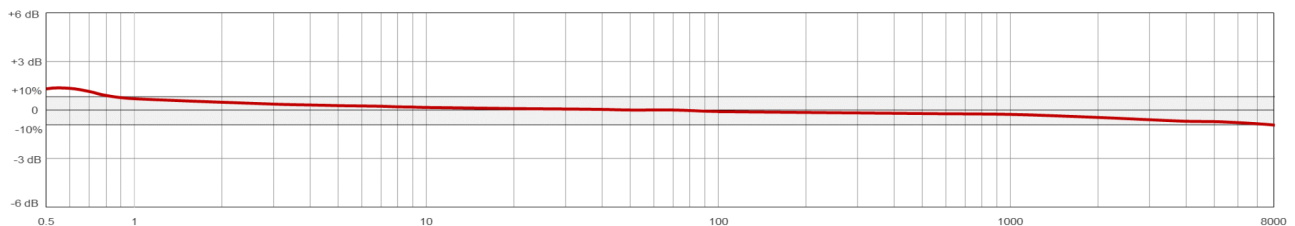
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC288		<u>Environmental</u>		
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	
Frequency Response (±10%)	120-180,000 CPM	2.0-3000 Hz	Electromagnetic Sensitivity	CE	
Dynamic Range	± 80 g, peak *Vsource ≥ 22V, 12V/bias		Sealing	Welded, Hermetic	
<u>Electrical</u>			Submersible Depth	200 ft.	60 m
Settling Time	<2.5 seconds		SIL Rating	SIL 2	
Voltage Source (IEPE)	18-30 VDC		<u>Physical</u>		
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



Backed by our Unconditional Lifetime Warranty & Free Annual Recalibration Service

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