

AC288 Series

High Temperature IEPE Accelerometer, 325 °F (162 °C) Max Temp, M8 Captive Bolt, Side Exit 2 Pin Connector, 100 mV/g, ±10%



VIBRATION ANALYSIS HARDWARE



Product Features

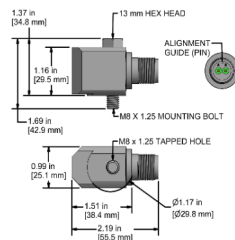
High Temperature (325°F) Side Exit Sensor

- ▶ 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

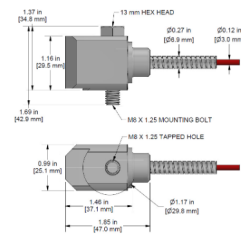


Stock Product

AC288-5D

CB206 Armored Integral Cable

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

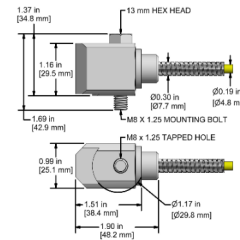


Built To Order

AC288-6D

CB611 Heavy Duty Armored Integral Cable

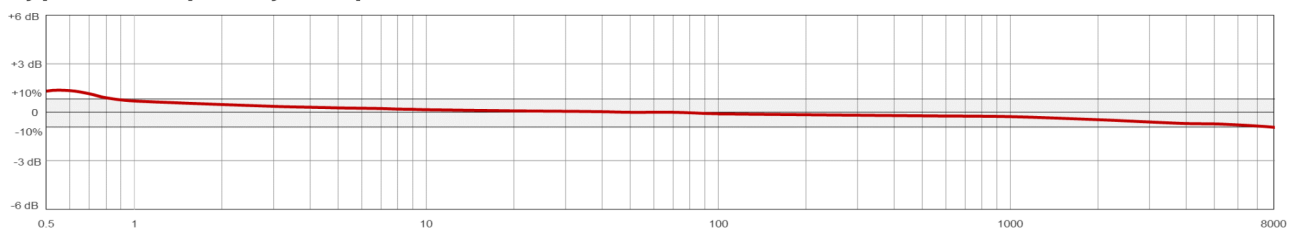
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC288		Environmental		
Sensitivity (±10%)		100 mV/g	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	Sealing		Welded, Hermetic
Electrical			Physical		
Settling Time		<2.5 seconds	Sensing Element		PZT Ceramic
Voltage Source (IEPE)		18-30 VDC	Sensing Structure		Shear Mode
Constant Current Excitation		2-10 mA	Weight	6 oz	170 grams
Spectral Noise @ 10 Hz		8 µg/√Hz	Case Material		316L Stainless Steel
Spectral Noise @ 100 Hz		0.82 µg/√Hz	Mounting		M8 Captive Bolt
Spectral Noise @ 1000 Hz		0.3 µg/√Hz	Connector (Non-Integral)		2 Pin MIL-C-5015
Output Impedance		<100 ohm	Resonant Frequency	1,200,00 CPM	20000 Hz
Bias Output Voltage		10-14 VDC	Mounting Torque	2 to 5 ft. lbs	2,7 to 6,8 Nm
Case Isolation		>10 ⁸ ohm	Mounting Hardware		M8 Captive Bolt
			Calibration Certificate		CA10

Typical Frequency Response



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www.ctc-sensor.com