

M8 Captive Bolt Product Features

**High Performance in an Affordable,
Side Exit Compact Sensor**

Very Low Noise

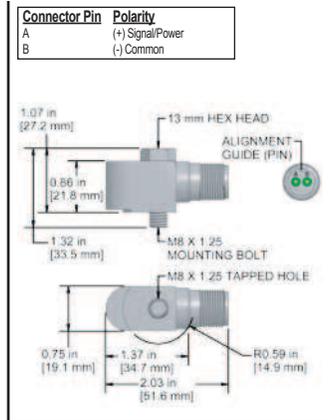
- Superior RF Immunity
- ±80 g, Peak Dynamic Range, ± 10% Sensitivity
- Standard 2 Pin MIL Connection

Actual Product Size Shown



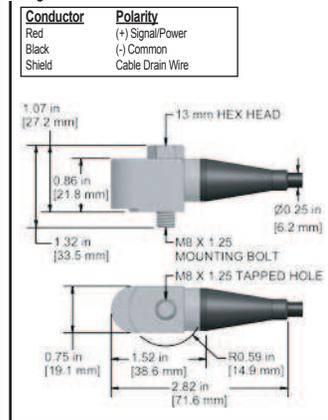
AC198-1D

2 Pin Connector



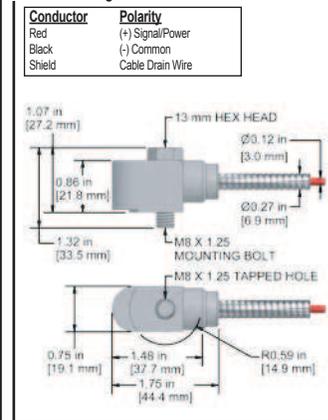
AC198-2D

Integral Cable



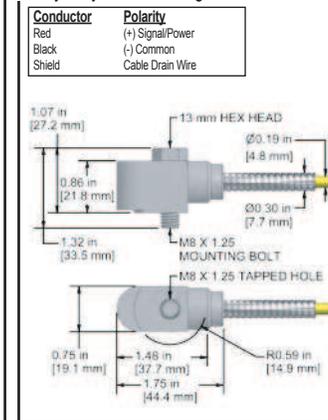
AC198-3D

Armored Integral Cable



AC198-6D

Heavy Duty Armored Integral Cable



Specifications	Standard	Metric
Part Number		AC198
Sensitivity (±10%)		100 mV/g
Frequency Response (±3dB)	30-480,000 CPM	0.5-8000 Hz
Dynamic Range		± 80 g, peak
Electrical		
Settling Time		<2 Seconds
Voltage Source (IEPE)		18-30 VDC
Constant Current Excitation		2-10 mA
Spectral Noise @ 10 Hz		8 µg/√Hz
Spectral Noise @ 100 Hz		4 µg/√Hz
Spectral Noise @ 1000 Hz		2 µg/√Hz
Output Impedance		<100 ohm
Bias Output Voltage		10-14 VDC
Case Isolation		>10 ⁸ ohm

Specifications	Standard	Metric
Environmental		
Temperature Range	-58 to 250°F	-50 to 121°C
Maximum Shock Protection		5,000 g, peak
Electromagnetic Sensitivity		CE
Sealing		IP68
Submersible Depth (AC198-2D/3D)	200 ft.	60 m
Physical		
Sensing Element		PZT Ceramic
Sensing Structure		Shear Mode
Weight	3.3 oz	93 grams
Case Material		316L Stainless Steel
Mounting		M8
Connector (non-integral)		2 Pin MIL-C-5015
Resonant Frequency	1,200,000 CPM	23000 Hz
Mounting Torque	2 to 5 ft. lbs.	2.7 to 6.8 Nm
Mounting Hardware		M8 Captive Bolt
Calibration Certificate		CA10

Ordering Information

Metric	AC198-1D (M8x1 Captive Bolt)	AC198-2D - / (M8x1 Captive Bolt)	AC198-3D - / (M8x1 Captive Bolt)	AC198-6D - / (M8x1 Captive Bolt)



Backed by our Unconditional Lifetime Warranty