

AC198 Series

Compact Multipurpose Accelerometer, Side Exit 2 Pin Connector, M8 Captive Bolt, 100 mV/g, ±10%



VIBRATION ANALYSIS HARDWARE



Product Features

High Performance in an Affordable, Side Exit Compact Sensor

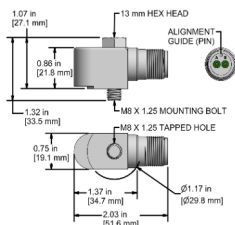
Very Low Noise and Superior RF Immunity

- ▶ 100 mV/g Sensitivity, ± 10%
- ▶ ± 80g Dynamic Range
- ▶ Standard 2 Pin MIL Connection on Non-Integral Option

AC198-1D

2 Pin Connector

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

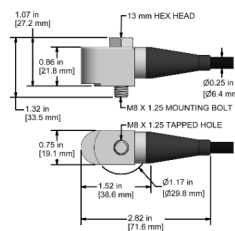


Stock Product

AC198-2D

CB103 Integral Cable

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

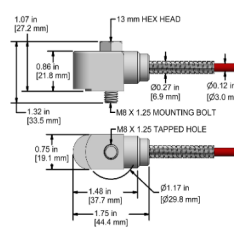


Built To Order

AC198-3D

CB206 Armored Integral cable

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

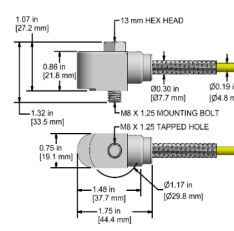


Built To Order

AC198-6D

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
Sensitivity (±10%)		100 mV/g	Environmental		
Frequency Response (±3dB)	30-480,000 CPM	0.5-8000 Hz	Temperature Range	-58 to 250°F	-50 to 121°C
Dynamic Range		± 80 g, peak	Maximum Shock Protection		5,000 g, peak
Electrical			Electromagnetic Sensitivity		CE
Settling Time	<2 Seconds		Sealing		Welded, Hermetic
Voltage Source (IEPE)	18-30 VDC		Submersible Depth	200 ft.	60 m
Constant Current Excitation	2-10 mA		Physical		
Spectral Noise @ 10 Hz	8 µg/√Hz		Sensing Element		PZT Ceramic
Spectral Noise @ 100 Hz	4 µg/√Hz		Sensing Structure		Shear Mode
Spectral Noise @ 1000 Hz	2 µg/√Hz		Weight	3.4 oz	96 grams
Output Impedance	<100 ohm		Case Material		316L Stainless Steel
Bias Output Voltage	10-14 VDC		Mounting		Captive Bolt
Case Isolation	>10 ⁸ ohm		Connector (Non-Integral)		2 Pin MIL-C-5015
			Resonant Frequency	1,380,000 CPM	23000 Hz
			Mounting Torque	2 to 5 ft. lbs.	2.7 to 6.8 Nm
			Mounting Hardware		M8 Captive Bolt
			Calibration Certificate		CA10

Typical Frequency Response

