

AC198-M12A Series

Compact Multipurpose Accelerometer, Side Exit 4 Pin M12 Connector, M8x1.25 Captive Bolt, 100 mV/g, ±10%



VIBRATION ANALYSIS HARDWARE



Product Features

High Performance in an Affordable, Side Exit M12 Compact Sensor

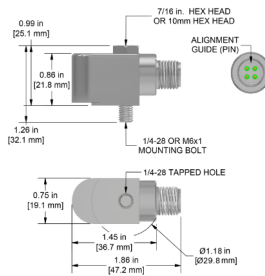
Very Low Noise and Superior RF Immunity

- ▶ 100 mV/g Sensitivity, ± 10%
- ▶ ± 80g Dynamic Range
- ▶ 4 Pin M12 Connector

AC198-M12A

4 Pin Connector

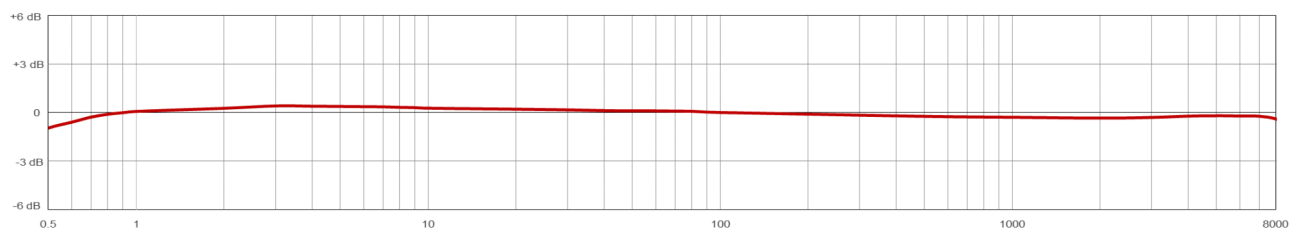
Connector Pin	Polarity
1	(+) Signal/Power
2	(-) Common
3	Not Used
4	Not Used



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Sensitivity (±10%)		100 mV/g	Environmental		
Frequency Response (±3dB)	30-480,000 CPM	0.5-8000 Hz	Operating Temperature Range	-58 to 250 °F	-50 to 121 °C
Dynamic Range	± 80 g, peak *Vsource ≥ 22V, 12Vbias		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		SIL Rating		SIL 2
Spectral Noise @ 10 Hz	8 µg/√Hz		Physical		
Spectral Noise @ 100 Hz	4 µg/√Hz		Sensing Element		PZT Ceramic
Spectral Noise @ 1000 Hz	2 µg/√Hz		Sensing Structure		Shear Mode
Output Impedance	<100 ohm		Weight	3.4 oz	96 grams
Bias Output Voltage	10-14 VDC		Case Material		316L Stainless Steel
Case Isolation	>10 ⁸ ohm		Connector (Non-Integral)		4 Pin M12
			Resonant Frequency	1,380,000 CPM	23000 Hz
			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

www.ctconline.com | sales@ctconline.com | 585-924-5900