

AC196 Series

Compact, Multi-Purpose Accelerometer, Top Exit Connector, 100 mV/g, M8 Integral Stud



VIBRATION ANALYSIS HARDWARE



Product Features

High Performance in an Affordable, Compact Sensor

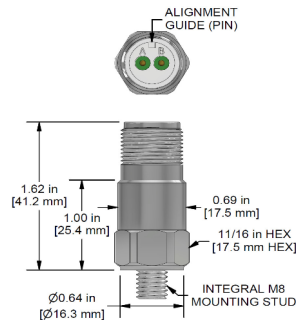
Very Low Noise & Superior RF Immunity

- ▶ 100 mV/g Sensitivity \pm 10%
- ▶ M8 Integral Stud

AC196-1D

2 Pin Connector

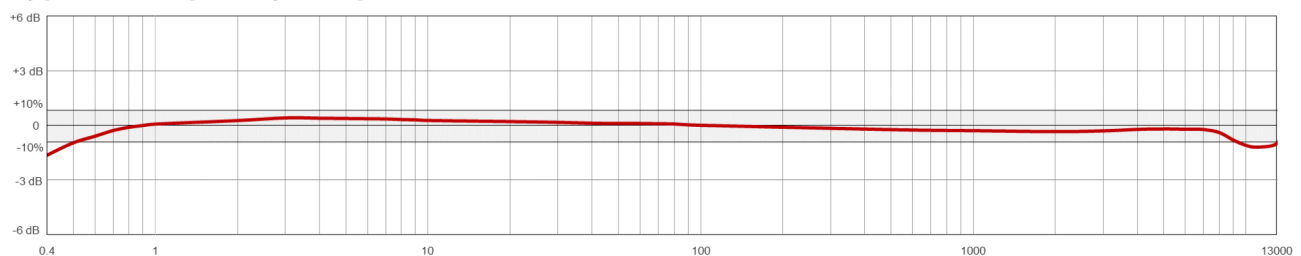
Connector Pin	Polarity
A	(+) Signal/Power
B	(-) Common



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Sensitivity (\pm 10%)		100 mV/g	Environmental		
Frequency Response (\pm 3dB)	24-780,000 CPM	0,4-13000 Hz	Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (\pm 10%)	60-540,000 CPM	1,0-9000 Hz	Maximum Shock Protection		5,000 g, peak
Frequency Response (\pm 5%)	600-300,000 CPM	10,0-5000 Hz	Electromagnetic Sensitivity		CE
Dynamic Range		\pm 80 g, peak	Sealing		Welded, Hermetic
Electrical			Physical		
Settling Time	< 2 Seconds		Sensing Element		PZT Ceramic
Voltage Source (IEPE)	18-30 VDC		Sensing Structure		Shear Mode
Constant Current Excitation	2-10 mA		Weight	1.6 oz	45 grams
Spectral Noise @ 10 Hz	8 μ g/ \sqrt Hz		Case Material		316L Stainless Steel
Spectral Noise @ 100 Hz	4 μ g/ \sqrt Hz		Mounting		Integral Stud
Spectral Noise @ 1000 Hz	2 μ g/ \sqrt Hz		Connector (Non-Integral)		2 Pin MIL-C-5015
Output Impedance	< 100 ohm		Resonant Frequency	1,560,000 CPM	26000 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 Integral Stud
			Calibration Certificate		CA10

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

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