

# AC240 Series



Premium Miniature Industrial Accelerometer, High Frequency, Top Exit 2 Pin Mini-MIL Connector, 100 mV/g, ±5%

VIBRATION ANALYSIS HARDWARE



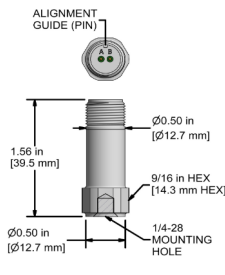
## Product Features

High Resonant Frequency with Excellent Frequency Response

- ▶ 1,500,000 max frequency response
- ▶ 34 kHz Resonant Frequency
- ▶ 100 mV/g ± 5% Sensitivity

### AC240-1D 2 Pin Mini Mil Connector

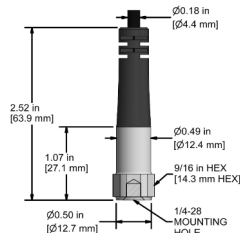
Connector Pin	Polarity
A	(+) Signal/Power
B	(-) Common



Stock Product

### AC240-2D CB110 Integral Cable

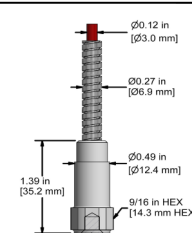
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

### AC240-3D CB206 Armored Integral Cable

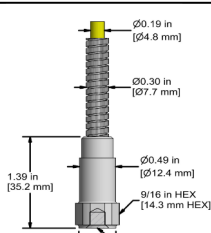
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

### AC240-6D CB611 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	AC240	M/AC240	<b>Environmental</b>		
Sensitivity (±5%)		100 mV/g	Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (±3dB)	36-1,500,000 CPM	0.6-25000 Hz	Maximum Shock Protection		5,000 g, peak
Frequency Response (±10%)	60-720,000 CPM	1,0-12000 Hz	Electromagnetic Sensitivity		CE
Frequency Response (±5%)	120-480,000 CPM	2-8000 Hz	Sealing		Welded, Hermetic
Dynamic Range		±50 g, peak	Submersible Depth	200 ft.	60 m
<b>Electrical</b>			<b>Physical</b>		
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	0.7 oz	20 grams
Spectral Noise @ 10 Hz		30 µg/√Hz	Case Material		316L Stainless Steel
Spectral Noise @ 100 Hz		4 µg/√Hz	Mounting		1/4-28
Spectral Noise @ 1000 Hz		2 µg/√Hz	Connector (Non-Integral)		2 Pin mini-MIL (J Series)
Output Impedance		<100 ohm	Resonant Frequency	2,040,000 CPM	34000 Hz
Bias Output Voltage		7-14 VDC	Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Case Isolation		>10 <sup>8</sup> ohm	Mounting Hardware	1/4-28 Stud	M6x1 Adapter Stud
			Calibration Certificate		CA10