

AC244 Series

Premium Series, mini-MIL Accelerometer, High Frequency, Side Exit Connector / Cable, 100 mV/g



VIBRATION ANALYSIS HARDWARE



Product Features

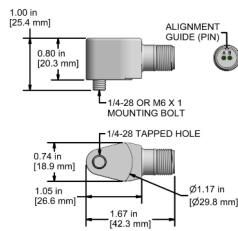
Premium mini mil, Low Profile Industrial Accelerometer

- ▶ 2 Pin Mini-MIL Connection (J Series)
- ▶ ± 50 g, peak Dynamic Range
- ▶ 100 mV/g $\pm 5\%$ Sensitivity

AC244-1D

2 Pin Mini Mil Connector

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

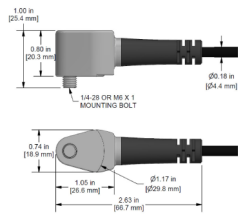


Stock Product

AC244-2D

CB110 Integral Cable

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

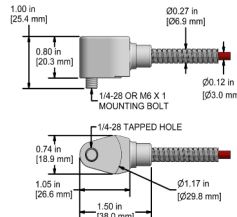


Built To Order

AC244-3D

CB206 Armored Integral Cable

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

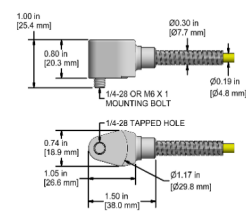


Built To Order

AC244-6D

CB611 Heavy Duty Armored Integral Cable

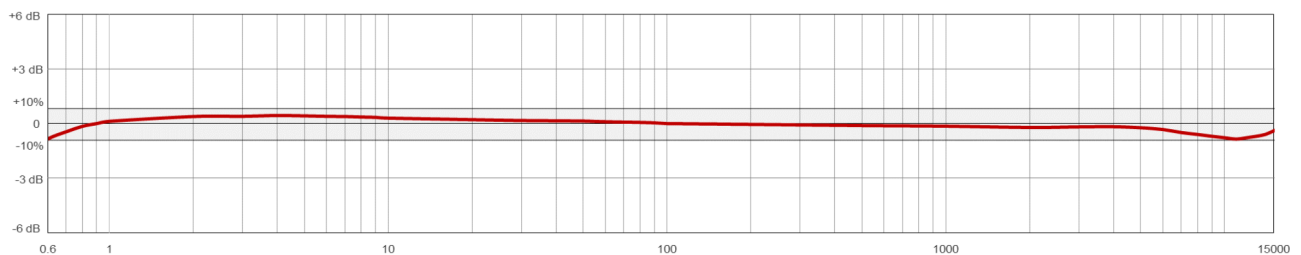
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC244	M/AC244	Environmental		
Sensitivity ($\pm 5\%$)		100 mV/g	Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (± 3 dB)	36-900,000 CPM	0.6-15000 Hz	Maximum Shock Protection		5,000 g, peak
Frequency Response ($\pm 10\%$)	60-600,000 CPM	1.0-10000 Hz	Electromagnetic Sensitivity		CE
Frequency Response ($\pm 5\%$)	120-420,000 CPM	2.0-7000 Hz	Sealing		Welded, Hermetic
Dynamic Range		± 50 g, peak	Submersible Depth	200 ft.	60 m
Electrical			Physical		
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	2.1 oz	60 grams
Spectral Noise @ 10 Hz		30 $\mu\text{g}/\sqrt{\text{Hz}}$	Case Material		316L Stainless Steel
Spectral Noise @ 100 Hz		4 $\mu\text{g}/\sqrt{\text{Hz}}$	Mounting		1/4-28
Spectral Noise @ 1000 Hz		2 $\mu\text{g}/\sqrt{\text{Hz}}$	Connector (Non-Integral)		2 Pin mini-MIL (J Series)
Output Impedance		<100 ohm	Resonant Frequency	1,192,600 CPM	26000 Hz
Bias Output Voltage		7-14 VDC	Mounting Torque	2 to 5 ft. lbs.	2.7 to 6.8 Nm
Case Isolation		>10 ⁸ ohm	Mounting Hardware	1/4-28 Captive Bolt	M6x1 Captive Bolt
			Calibration Certificate		CA10

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

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