

# AC244 Series

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



## Product Features

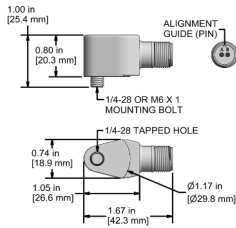
Premium mini mil, Low Profile Industrial Accelerometer

100 mV/g ± 5% Sensitivity

- ▶ 2 Pin Mini-MIL Connection or Integral Cable  
Note: Integral Cable Options are only for Permanent Monitoring Applications

### AC244-1D 2 Pin Mini Mil Connector

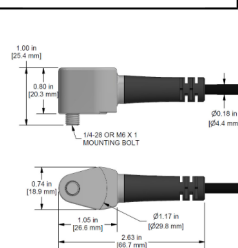
Connector Pin	Polarity
A	(+) Signal/Power
B	(-) Common



Stock Product

### AC244-2D CB110 Integral Cable

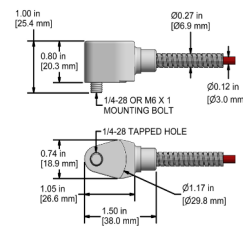
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

### AC244-3D CB206 Armored Integral Cable

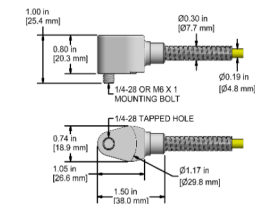
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



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	<u>Environmental</u>		
Sensitivity (±5%)		100 mV/g	Operating Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (±3dB)	36-900,000 CPM	0,6-15000 Hz	Maximum Shock Protection		5,000 g, peak
Frequency Response (±10%)	60-600,000 CPM	1,0-10000 Hz	Electromagnetic Sensitivity		CE
Frequency Response (±5%)	120-420,000 CPM	2,0-7000 Hz	Sealing		Welded, Hermetic
Dynamic Range		± 80 g, peak *Vsource ≥ 22V, 12Vbias	Submersible Depth	200 ft.	60 m
<u>Electrical</u>			SIL Rating		SIL 2
Settling Time		<2.5 seconds	<u>Physical</u>		
Voltage Source (IEPE)		18-30 VDC	Sensing Element		PZT Ceramic
Constant Current Excitation		2-10 mA	Sensing Structure		Shear Mode
Spectral Noise @ 10 Hz		30 µg/√Hz	Weight	2.1 oz	60 grams
Spectral Noise @ 100 Hz		4 µg/√Hz	Case Material		316L Steel
Spectral Noise @ 1000 Hz		2 µg/√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.	2,7 to
Case Isolation		>10 <sup>8</sup> ohm			