

AC140 Series

Low Cost Miniature Industrial Multipurpose Accelerometer, Top Exit
2 Pin Mini-MIL Connector, 100 mV/g, ±15%



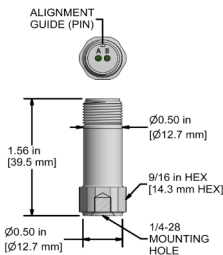
Product Features

Mini Industrial Accelerometer, Great for Hard-to-Reach Locations

- ▶ ± 80 g, Dynamic Range
- ▶ 2 Pin Mini-MIL Connection

AC140-1D
2 Pin Mini Mil Connector

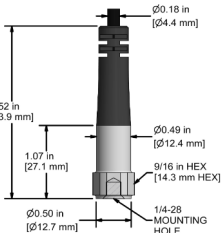
Connector	Polarity
Pin	
A	(+)Signal/Power
B	(-)Common



Stock Product

AC140-2D
CB110 Integral Cable

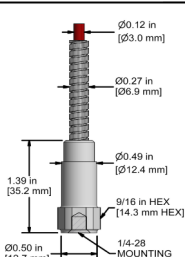
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

AC140-3D
CB206 Armored Integral Cable

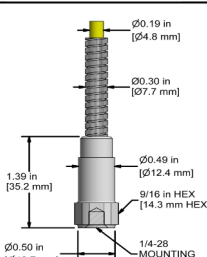
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

AC140-6D
CB611 Heavy Duty Armored Integral Cable

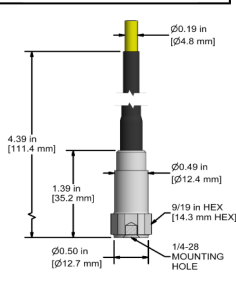
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

AC140-6N
CB111 Integral Cable

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



Built To Order

Specifications	Standard	Metric
Part Number	AC140	M/ or M8/AC140
Sensitivity (±15%)	100 mV/g	
Frequency Response (±3dB)	36-900,000 CPM	0,6-15000 Hz
Dynamic Range	± 80 g, peak *Vsource ≥ 22V, 12Vbias	

Electrical

Settling Time	<2.5 seconds
Voltage Source (IEPE)	18-30 VDC
Constant Current Excitation	2-10 mA
Spectral Noise @ 10 Hz	30 µg/√Hz
Spectral Noise @ 100 Hz	4 µg/√Hz
Spectral Noise @ 1000 Hz	2 µg/√Hz
Output Impedance	<100 ohm
Bias Output Voltage	10-14 VDC
Case Isolation	>10 ⁸ ohm

Specifications	Standard	Metric
Environmental		
Operating Temperature Range	-58 to 250 °F	-50 to 121 °C
Maximum Shock Protection	5,000 g, peak	
Electromagnetic Sensitivity	CE	
Sealing	Welded, Hermetic	
Submersible Depth	200 ft.	60 m
SIL Rating	SIL 2	
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	0.7 oz	20 grams
Case Material	316L Stainless Steel	
Mounting Thread	1/4-28 Blind Tapped Hole	
Connector (Non-Integral)	2 Pin mini-MIL	