

# AC134 Series

Low Frequency Accelerometer, Side Exit 2 Pin Connector, 500 mV/g,  $\pm 10\%$



VIBRATION ANALYSIS HARDWARE



## Product Features

Designed for low speed Rotors, Main Bearings, and Gear Box Inputs, but can also be used for High Frequency Detection.

Can be used with any application that requires low and high frequency measurements.

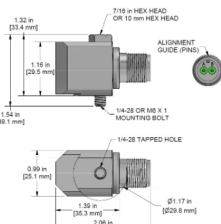
- ▶ 500 mV/g Sensitivity,  $\pm 10\%$  Sensitivity
- ▶ 0.1 Hz for Low Frequency Measurements  
8,000 Hz for High Frequency Detection
- ▶ Standard 2 Pin MIL Connection or Integral Cable

Note: Integral Cable Options are only for Permanent Monitoring Applications

### AC134-1D

2 Pin Connector

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

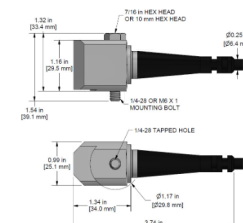


Stock Product

### AC134-2D

CB103 Integral Cable

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

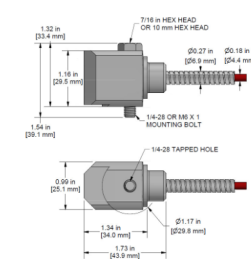


Built To Order

### AC134-3D

CB206 Armored Integral Cable

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

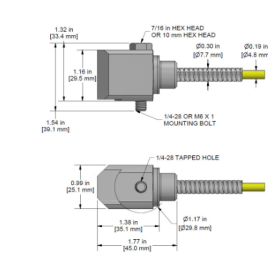


Built To Order

### AC134-6D

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	AC134	M/AC134	<b>Environmental</b>		
Sensitivity ( $\pm 10\%$ )		500 mV/g	Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response ( $\pm 3\text{dB}$ )	6-480,000 CPM	0,1-8000 Hz	Maximum Shock Protection		5,000 g, peak
Frequency Response ( $\pm 10\%$ )	36-180,000 CPM	0,6-3000 Hz	Electromagnetic Sensitivity		CE
Dynamic Range		$\pm 10$ g, peak	Sealing		Welded, Hermetic
<b>Electrical</b>			SIL Rating		SIL 2
Settling Time		<2 seconds	<b>Physical</b>		
Voltage Source (IEPE)		18-30 VDC	Sensing Element		PZT Ceramic
Constant Current Excitation		2-10 mA	Sensing Structure		Shear Mode
Spectral Noise @ 10 Hz		1.7 $\mu\text{g}/\sqrt{\text{Hz}}$	Weight	5.7 oz	160 grams
Spectral Noise @ 100 Hz		0.2 $\mu\text{g}/\sqrt{\text{Hz}}$	Case Material		316L Stainless Steel
Spectral Noise @ 1000 Hz		0.12 $\mu\text{g}/\sqrt{\text{Hz}}$	Mounting		1/4-28
Output Impedance		<100 ohm	Connector (Non-Integral)		2 Pin MIL-C-5015
Bias Output Voltage		10-14 VDC	Resonant Frequency	1,080,000 CPM	18000 Hz
Case Isolation		>10 <sup>8</sup> ohm	Mounting Torque	2 to 5 ft. lb	2,7 to 6,8 N.m