

# AC134 Series

Low Frequency Accelerometer, Side Exit 2 Pin Connector, 500 mV/g, ±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

May be Used With Any Application That Requires Low and High Frequency Measurements

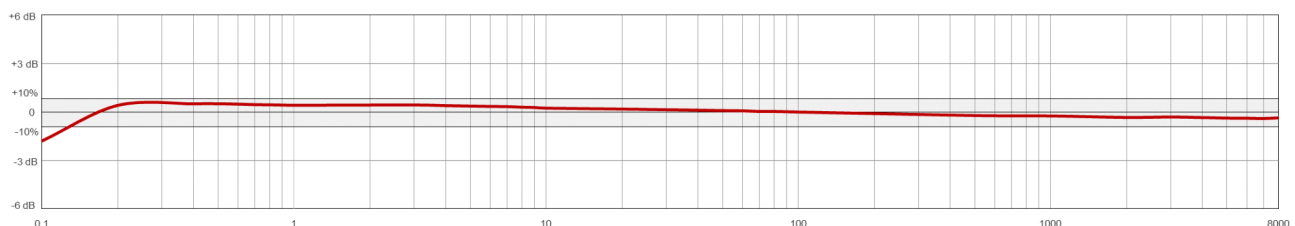
- ▶ 500 mV/g Sensitivity, ±10% Sensitivity
- ▶ 0.1 Hz for Low-Frequency Measurements  
8,000 Hz for High-Frequency Detection
- ▶ Standard 2 Pin MIL Connection or Integral Cable

Note: Integral Cable Options are Only for Permanent Monitoring Applications

AC134-1D 2 Pin Connector	AC134-2D CB103 Integral Cable	AC134-3D CB206 Armored Integral Cable	AC134-6D CB611 Heavy Duty Armored Integral Cable																														
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Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC134	M/AC134	<b>Environmental</b>		
Sensitivity (±10%)		500 mV/g	Operating Temperature Range	-58 to 250 °F	-50 to 121 °C
Frequency Response (±3dB)	6-480,000 CPM	0.1-8000 Hz	Maximum Shock Protection		5,000 g, peak
Frequency Response (±10%)	36-180,000 CPM	0.6-3000 Hz	Electromagnetic Sensitivity		CE
Dynamic Range		± 16 g, peak *Vsource ≥ 22V, 12Vbias	Sealing		Welded, Hermetic
<b>Electrical</b>			Submersible Depth	200 ft.	60 m
Settling Time		<2 seconds	SIL Rating		SIL 2
Voltage Source		18-30 VDC	<b>Physical</b>		
Constant Current Excitation		2-10 mA	Sensing Element		PZT Ceramic
Spectral Noise @ 10 Hz		1.7 µg/√Hz	Sensing Structure		Shear Mode
Spectral Noise @ 100 Hz		0.2 µg/√Hz	Weight	5.7 oz	160 grams
Spectral Noise @ 1000 Hz		0.12 µg/√Hz	Case Material		316L Stainless Steel
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. lbs.	2.7 to 6.8 Nm
			Mounting Hardware Supplied	1/4-28 Captive Bolt	M6x1 Captive Bolt
			Calibration Certificate		CA10

## Typical Frequency Response



Free Annual Recalibration Service  
[www.ctconline.com](http://www.ctconline.com) | [sales@ctconline.com](mailto:sales@ctconline.com) | 585-924-5900