

AC194 Series

Compact Multipurpose Accelerometer, Side Exit 2 Pin Connector,
100 mV/g, ±10%



VIBRATION ANALYSIS HARDWARE



Product Features

High Performance in an Affordable, Side Exit, Compact Sensor

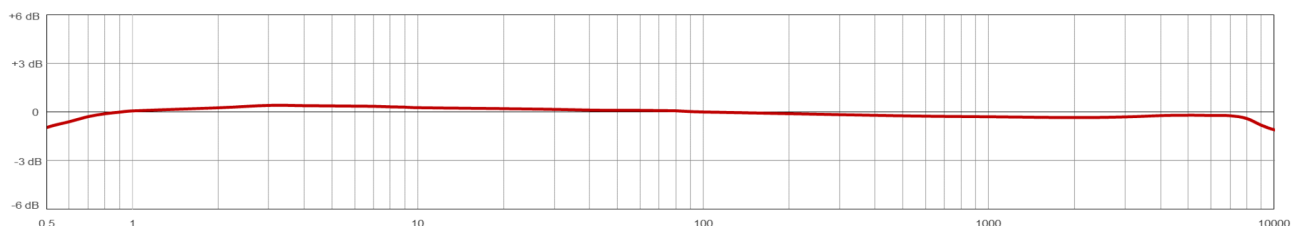
Very Low Noise and Superior RF Immunity

- ▶ 100 mV/g Sensitivity, ± 10%
 - ▶ ± 80g Dynamic Range
 - ▶ Standard 2 Pin MIL Connection or Integral Cable
- Note: Integral Cable Options are only for Permanent Monitoring Applications

AC194-1D 2 Pin Connector	AC194-2D CB103 Integral Cable	AC194-3D CB206 Armored Integral Cable	AC194-6D CB611 Heavy Duty Armored Integral Cable																														
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Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC194	M/AC194	<u>Environmental</u>		
Sensitivity (±10%)		100 mV/g	Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (±3dB)	30-600,000 CPM	0.5-10000 Hz	Maximum Shock Protection		5,000 g, peak
Dynamic Range		± 80 g, peak	Electromagnetic Sensitivity		CE
<u>Electrical</u>			Sealing		Welded, Hermetic
Settling Time	<2 Seconds		Submersible Depth	200 ft.	60 m
Voltage Source (IEPE)	18-30 VDC		<u>Physical</u>		
Constant Current Excitation	2-10 mA		Sensing Element		PZT Ceramic
Spectral Noise @ 10 Hz	8 µg/√Hz		Sensing Structure		Shear Mode
Spectral Noise @ 100 Hz	4 µg/√Hz		Weight	3.3 oz	93 grams
Spectral Noise @ 1000 Hz	2 µg/√Hz		Case Material		316L Stainless Steel
Output Impedance	<100 ohm		Mounting		Captive Bolt
Bias Output Voltage	10-14 VDC		Connector (Non-Integral)		2 Pin MIL-C-5015
Case Isolation	>10 ⁸ ohm		Resonant Frequency	1,380,000 CPM	23000 Hz
			Mounting Torque		2 to 5 ft. lbs.
			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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