

AC234 Series

Premium, Low Frequency Accelerometer, Side Exit 2 Pin Connector, 500 mV/g, ±5%



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

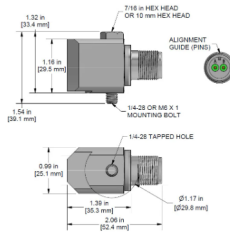
- ▶ 500 mV/g Sensitivity, ±5% Sensitivity
- ▶ 0.1 Hz for Low Frequency Measurements
8,000 Hz for High Frequency Detection
- ▶ Standard 2 Pin MIL Connection or Integral Cable

Note: Integral Cable Options are Only for Permanent Monitoring Applications

AC234-1A

2 Pin Connector

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

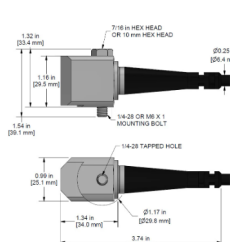


Stock Product

AC234-2A

CB103 Integral Cable

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

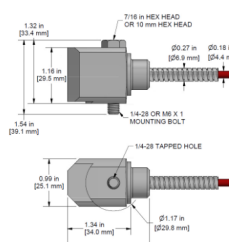


Built To Order

AC234-3A

CB206 Armored Integral Cable

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

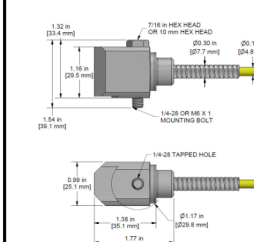


Built To Order

AC234-6A

CB611 Heavy Duty Armored Integral Cable

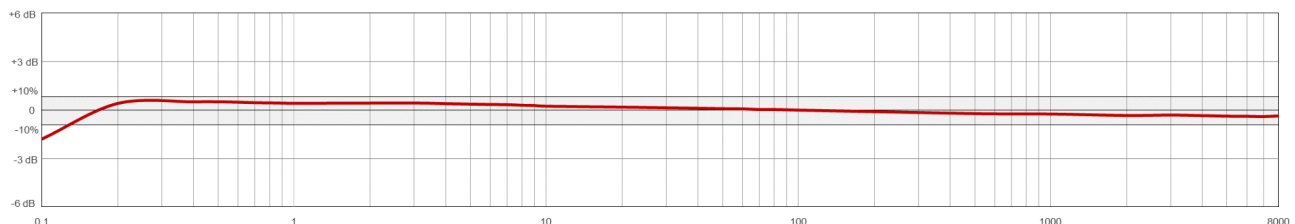
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC234	M/AC234	Environmental		
Sensitivity (±5%)		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
Electrical			Submersible Depth	200 ft.	60 m
Settling Time		<2 seconds	SIL Rating		SIL 2
Voltage Source (IEPE)		18-30 VDC	Physical		
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 ⁸ 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



www.delta3n.hu

Backed by our Unconditional Lifetime Warranty & Free Annual Recalibration Service

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