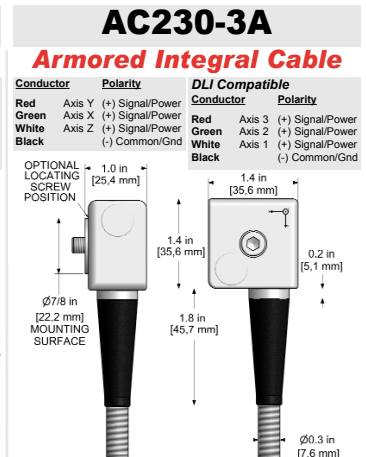
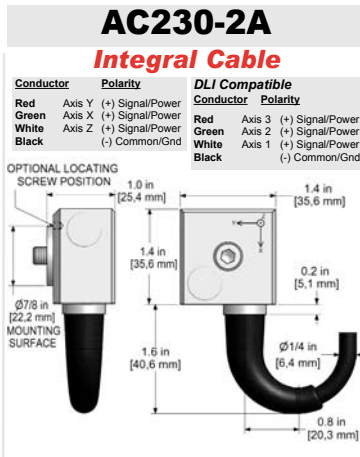
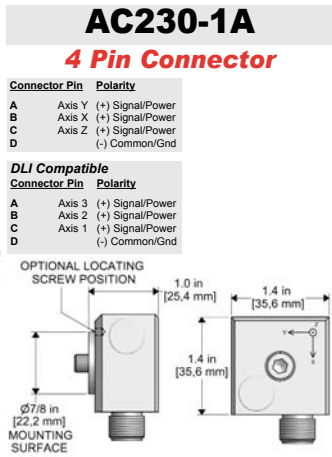


AC230 Series

Premium Series Accelerometer, Triaxial, 100 mV/g



Part Numbers & Ordering Information:	AC230-1A Triaxial accelerometer, 100 mV/g, 4 pin connector		AC230-2A/010-Z 10 ft. (3 m), blunt cut end		AC230-3A/010-Z 10 ft. (3 m), blunt cut end	
	When Ordering Metric, add "M" prefix. (Example: M/AC230-2A/010-Z)			AC230-2A/020-Z 20 ft. (6 m), blunt cut end	AC230-2A/030-Z 30 ft. (9 m), blunt cut end	AC230-3A/020-Z 20 ft. (6 m), blunt cut end
			AC230-2A/050-Z 50 ft. (15 m), blunt cut end	AC230-2A/100-Z 100 ft. (30 m), blunt cut end	AC230-3A/050-Z 50 ft. (15 m), blunt cut end	AC230-3A/100-Z 100 ft. (30 m), blunt cut end

* Custom Lengths Available Upon Request

Performance Specifications	English	Metric	Environmental	English	Metric
Sensitivity	±5%	100 mV/g	Temperature Range	-65 to 250° F	-54 to 121° C
Frequency Response			Electromagnetic Sensitivity	CE	CE
	±3 dB	36-600,000 CPM	Sealing	Welded, Hermetic	Welded, Hermetic
	±10%	60-390,000 CPM	Submersible Depth (AC230-2A)	500 ft.	152 m
	±5%	480-330,000 CPM			
Dynamic Range		±50 g, peak	Physical		
Electrical			Sensing Element	PZT Ceramic	PZT Ceramic
Settling Time (Turn on Time)			Sensing Structure	Shear Mode	Shear Mode
@ Room Temp (68°F/20°C)	<2.5 Seconds	<2.5 Seconds	Weight	7.1 oz.	200 g
Power Requirement			Case Material	316L Stainless Steel	316L Stainless Steel
Voltage Source	18-30 VDC	18-30 VDC	Connector (AC230-1A)	4 Pin	4 Pin
Constant Current Excitation	2-10 mA	2-10 mA	Integral Cable (AC230-2A)	CB105	CB105
Electrical Noise (Typical)			Armored Cable (AC230-3A)	CB206,Armor Jacket	CB206,Armor Jacket
Resolution	325 σg, rms	325 σg, rms	Mechanical		
Spectral	10 Hz	30 σg/√Hz	Mounting Torque	1 to 2 ft. lbs.	1,4 to 2,7 Nm
	100 Hz	4 σg/√Hz			
	1000 Hz	2 σg/√Hz	Supplied Accessories		
Output Impedance, Max	<100 ohm	<100 ohm	Mounting Hardware	1/4-28 Captive Screw	M6x1 Captive Screw
Bias Output Voltage	7-14 VDC	7-14 VDC	Calibration Certificate	CA10	CA10
Electrical Case Isolation	>10 ⁸ ohm	>10 ⁸ ohm			

Common Applications

Industries Served

- Automotive
- Power
- Manufacturing
- Pulp and Paper
- Military
- Steel
- Pharmaceutical
- Wastewater Treatment

Typical Applications

- Air Compressors
- Fourdriners
- Presses and Stamping
- Air Handlers
- Gear Boxes
- Pumps
- Cooling Towers
- Motors
- Roll and Process Equipment
- Fans
- Press Sections
- Spindles

Measurement Types

- Permanent Mount
- Portable

For optional accessories, please see the *Sensor Accessory Selection Chart*.



VIBRATION ANALYSIS HARDWARE