AC204 Series



Low Frequency Accelerometer, Side Exit 2 Pin Connector, 100 mV/g, ±10%





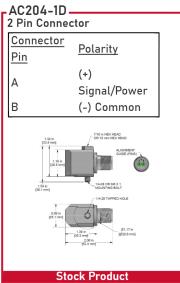
Product Features

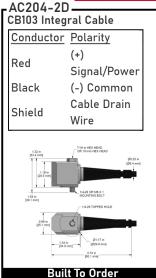
Designed for Low Speed Rotors, Wind Turbine Main Bearings, Gear Box Inputs, and May Also Be Used for High Frequency Detection.

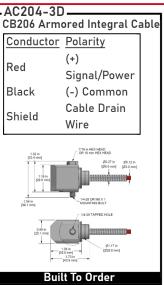
May be used with any application that requires low and high frequency measurements.

- ▶ 0.1 Hz to 8 kHz Frequency Response (± 3dB)
- Standard 2 Pin MIL Connection or Integral Cable

Note: Integral Cable Options are only for Permanent Monitoring Applications







Stock Product			Built To Order		Built To Order			
Specifications	Standard		Metric	Specifications		Standard		Metric
Part Number	AC204		M/AC204	Environmental				
Sensitivity (±10%)	6-480,000	100 mV/g	0,1-8000	Operating Tempe	rature Range	-58 to 250°F		-50 to 121°C
Frequency Response (±3dB)	СРМ		Hz	Maximum Shock	Protection		5000 g,	
Frequency Response (±10%)	36-180,000 CPM		0,6-3000 Hz	Electromagnetic	Sensitivity		peak CE	
		± 80 g, peak		Sealing	Constitution		Welded, Hermetic	
Dynamic Range		*Vsource ≥ 22V, 12Vbias		SIL Rating			SIL 2	
				Physical				
				Sensing Element			PZT	
<u>Electrical</u>				Sensing Lienient			Ceramic	
Settling Time		< 2 seconds		Sensing Structur	е		Shear Mode	
Voltage Source (IEPE) Constant Current Excitation		18-30 VDC 2-10 mA		Weight		5.7 ounces		162 grams
Spectral Noise @ 10 Hz		1.3 μg/√Hz					316L	
Spectral Noise @ 100 Hz		0.2 μg/√Hz		Case Material			Stainless	
Spectral Noise @ 1000 Hz		0.1 μg/√Hz					Steel	
Output Impedance		< 100 ohm		Connector (Non-Integral)			2 Pin MIL-	
Bias Output Voltage		10-14 VDC					C-5015	
Case Isolation		> 10 ⁸ ohm		Resonant Freque	ncy	1,020,000 CPM		17000 Hz
				Mounting Torque		2 to 5 ft. lbs.		2.7 to 6.8 Nm
						1/4-28		M6x1