

Intrinsically Safe Accelerometer, Side Exit Connector/Cable, 50 mV/g

Requires Intrinsically Safe Barrier

Product Features

CSA/ATEX Approved

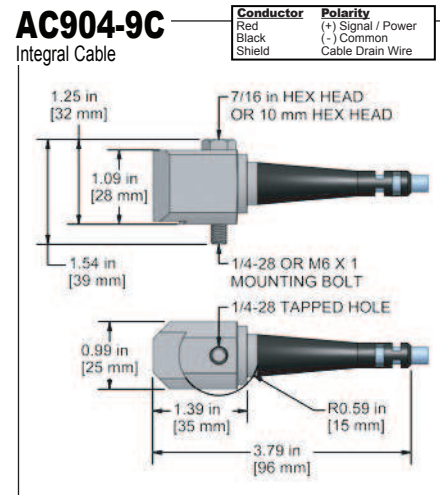
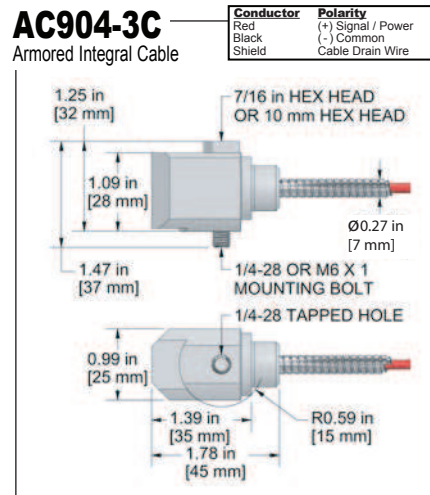
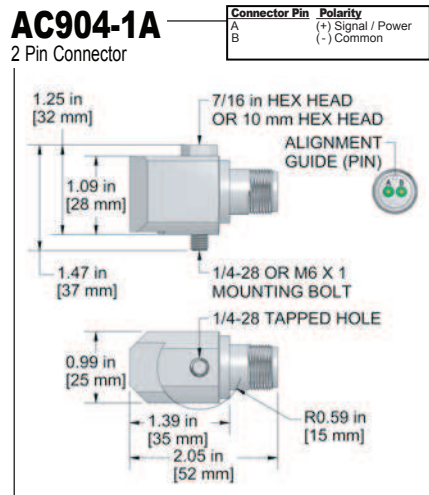
Excellent for Higher g Applications



Actual Product Size Shown



- ± 100 g, Peak Dynamic Range
- 50 mV/g Sensitivity $\pm 10\%$
- Requires Intrinsic Safety Barrier (see page 348)



Specifications	Standard	Metric
Part Number	AC904	M/AC904
Sensitivity ($\pm 10\%$)		50 mV/g
Frequency Response (± 3 dB)	60-480,000 CPM	1,0-8000 Hz
Frequency Response ($\pm 10\%$)	120-180,000 CPM	2,0-3000 Hz
Dynamic Range		± 100 g, peak
Electrical		
Settling Time		<3 Seconds
Voltage Source (IEPE)		18-28 VDC
Constant Current Excitation		2-10 mA
Spectral Noise @ 10 Hz		9 μ g/ \sqrt Hz
Spectral Noise @ 100 Hz		2 μ g/ \sqrt Hz
Spectral Noise @ 1000 Hz		1.6 μ g/ \sqrt Hz
Output Impedance		<100 ohm
Bias Output Voltage		10-14 VDC
Case Isolation		>10 ⁸ ohm

Specifications	Standard	Metric
Environmental		
Temperature Range	-58 to 250°F	-50 to 121°C
Maximum Shock Protection		5,000 g, peak
Electromagnetic Sensitivity		CE
Sealing		IP68
Physical		
Sensing Element		PZT Ceramic
Sensing Structure		Shear Mode
Weight	5.3 oz	150 grams
Case Material		316L Stainless Steel
Mounting		1/4-28
Connector (AC904-1A)		2 Pin MIL-C-5015
Armored Cable (AC904-3C)		Armor Jacketed Cable
Integral Cable (AC904-9C)		RAL 5015 Blue Polyurethane Cable
Resonant Frequency	1,260,000 CPM	21000 Hz
Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Mounting Hardware	1/4-28 Captive Bolt	M6x1 Captive Bolt
Calibration Certificate		CA10

Ordering Information

Standard	AC904-1A (1/4-28 Captive Bolt)	AC904-3C - / (1/4-28 Captive Bolt)	AC904-9C - / (1/4-28 Captive Bolt)
Metric	M/AC904-1A (M6x1 Captive Bolt)	M/AC904-3C - / (M6x1 Captive Bolt)	M/AC904-9C - / (M6x1 Captive Bolt)

Read Before Purchasing
Important information on
Regulatory Approvals and Requirements
on Pages 70 & 71

Cable Termination Options: L Z

