

AC916 Series

Intrinsically Safe Accelerometer, Side Exit Connector / Cable, 100 mV/g Low Capacitance



VIBRATION ANALYSIS HARDWARE



Product Features

CSA / ATEX Approved

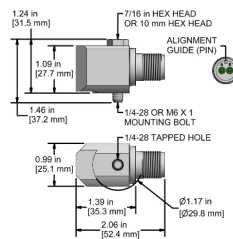
High Performance at a Reasonable Price

- ▶ 0,5-10,000 Hz (30-600,000 CPM)
- ▶ 100 mV/g Sensitivity
- ▶ Requires Intrinsic Safety Barrier

AC916-1A

2 Pin Connector

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

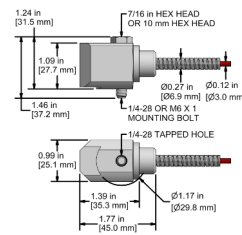


Stock Product

AC916-3C

CB206 Armored Integral Cable

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

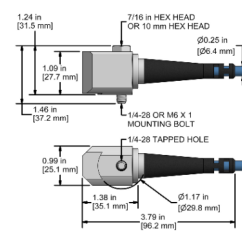


Built To Order

AC916-9C

CB190 Integral Cable

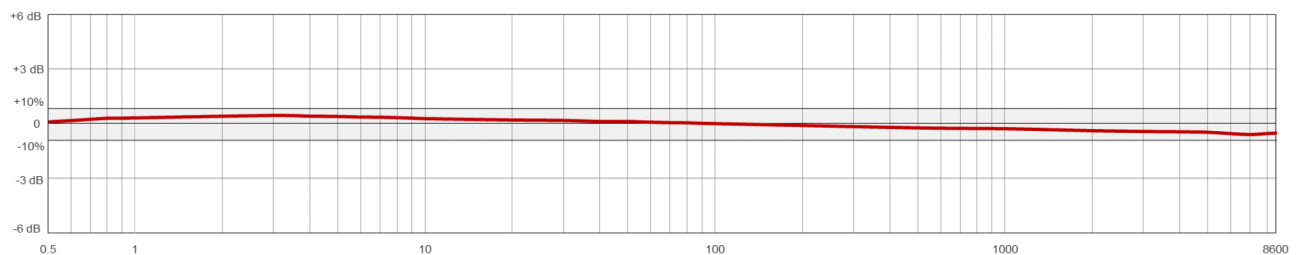
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC916	M/AC916	Environmental		
Sensitivity (±10%)	100 mV/g		Temperature Range	-65 to 257°F	-54 to 125°C
Frequency Response (±3dB)	30-600,000 CPM	0,5-10,000 Hz	Maximum Shock Protection	5,000 g, peak	
Frequency Response (±10%)	60-300,000 CPM	1,0-6000 Hz	Electromagnetic Sensitivity	CE	
Dynamic Range	± 80 g, peak		Sealing	Welded, Hermetic	
Electrical			Submersible Depth	200 ft.	61 m
Settling Time	<3 Seconds		Physical		
Voltage Source (IEPE)	18-28 VDC		Sensing Element	PZT Ceramic	
Constant Current Excitation	2-4 mA		Sensing Structure	Shear Mode	
Spectral Noise @ 10 Hz	6.5 µg/√Hz		Weight	5.3 oz	150 grams
Spectral Noise @ 100 Hz	2 µg/√Hz		Case Material	316L Stainless Steel	
Spectral Noise @ 1000 Hz	1.8 µg/√Hz		Mounting	1/4-28	
Output Impedance	<100 ohm		Connector (Non-Integral)	2 Pin MIL-C-5015	
Bias Output Voltage	10-14 VDC		Resonant Frequency	1,320,000 CPM	22000 Hz
Case Isolation	>10 ⁸ ohm		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

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

www.ctconline.com | sales@ctconline.com | 585-924-5900