

AC916-M12A Series



VIBRATION ANALYSIS HARDWARE

Low Capacitance, Intrinsically Safe Accelerometer, Side Exit 4 Pin M12 Pin Connector, 100 mV/g, ±10%



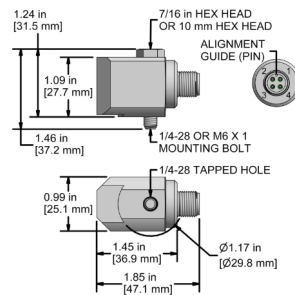
Product Features

- CSA / ATEX Approved
- Requires Intrinsic Safety Barrier
- High Performance at a Reasonable Price
- ▶ 0,5-10,000 Hz (30-600,000 CPM)
- ▶ 100 mV/g Sensitivity

AC916-M12A

4 Pin Connector

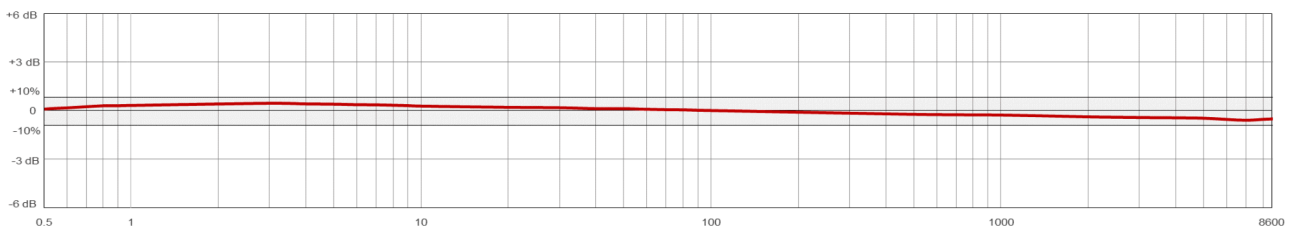
Connector Pin	Polarity
1	(+) Signal/Power
2	(-) Common
3	Not Used
4	Not Used



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC916-M12A	M/AC916-M12A	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	SIL Rating		SIL 2
Voltage Source (IEPE)		18-28 VDC	Physical		
Constant Current Excitation		2-4 mA	Sensing Element		PZT Ceramic
Spectral Noise @ 10 Hz		6.5 µg/√Hz	Sensing Structure		Shear Mode
Spectral Noise @ 100 Hz		2 µg/√Hz	Weight	5.3 oz	150 grams
Spectral Noise @ 1000 Hz		1.8 µg/√Hz	Case Material		316L Stainless Steel
Output Impedance		<100 ohm	Mounting		1/4-28
Bias Output Voltage		10-14 VDC	Connector (Non-Integral)		4 Pin M12 Connector
Case Isolation		>10 ⁸ ohm	Resonant Frequency	1,320,000 CPM	22000 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

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

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