

AC915-M12A Series



VIBRATION ANALYSIS HARDWARE

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



Product Features

CSA / ATEX Approved

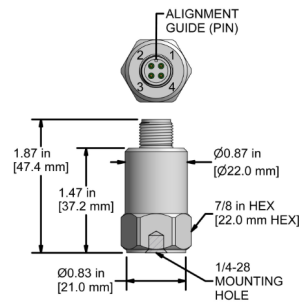
High Performance at a Reasonable Price

- ▶ 0,5-15000 (30-900,000 CPM)
- ▶ 100 mV/g Sensitivity ±10%
- ▶ Requires Intrinsic Safety Barrier

AC915-M12A

4 Pin Connector

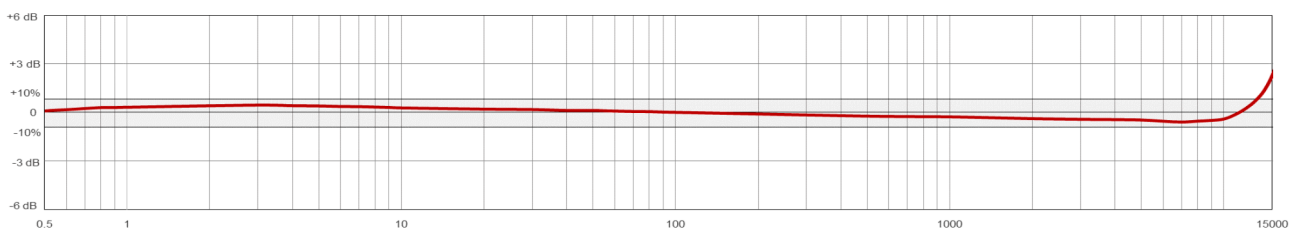
Connector Pin	Polarity
1	(+) Signal/Power
2	(-) Common
3	Not Used
4	Not Used



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC915-M12A	M/AC915	Environmental		
Sensitivity (±10%)	100 mV/g		Temperature Range	-40 to 250°F	-40 to 121°C
Frequency Response (±3dB)	30-900,000 CPM	0,5-15000 Hz	Maximum Shock Protection	5,000 g, peak	
Frequency Response (±10%)	60-600,000 CPM	1,0-10000 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	3.2 oz	90 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	1,380,000 CPM	23000 Hz
Case Isolation	>10 ⁸ ohm		Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
			Mounting Hardware	1/4-28 Stud	M6x1 Adapter Stud
			Calibration Certificate		CA10

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

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