

AC292-M12A Series

Premium Compact Accelerometer, 4 Pin M12 Connector, 100 mV/g, ±5%



VIBRATION ANALYSIS HARDWARE



Product Features

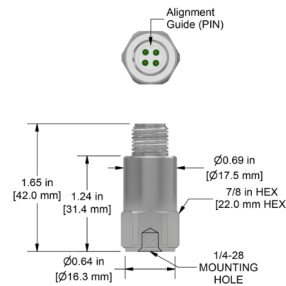
Superior RF Immunity in a Compact 100 mV/g Sensor

Improved Linearity

- ▶ ± 80 g, Dynamic Range
- ▶ 0.3 - 15,000 Hz (18-900,000 CPM) Frequency Response
- ▶ 4 Pin M12 Connector

AC292-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	AC292-M12A	M/ or M8/AC292-M12A	Environmental		
Sensitivity (±5%)	100 mV/g		Operating Temperature Range	-58 to 250 °F	-50 to 121 °C
Frequency Response (±3dB)	18-900,000 CPM	0,3-15000 Hz	Maximum Shock Protection		5,000 g, peak
Frequency Response (±10%)	60-600,000 CPM	1,0-10000 Hz	Electromagnetic Sensitivity		CE
Frequency Response (±5%)	600-300,000 CPM	10-5000 Hz	Sealing		Welded, Hermetic
Dynamic Range	± 80 g, peak *Vsource ≥ 22V, 12Vbias		Submersible Depth	200 ft.	60 m
Electrical			Physical		
Settling Time	<2 Seconds		Sensing Element		PZT Ceramic
Voltage Source (IEPE)	18-30 VDC		Sensing Structure		Shear Mode
Constant Current Excitation	2-10 mA		Weight	1.8 oz	51 grams
Spectral Noise @ 10 Hz	8 µg/√Hz		Case Material		316L Stainless Steel
Spectral Noise @ 100 Hz	4 µg/√Hz		Mounting Thread		1/4-28 Blind Tapped Hole
Spectral Noise @ 1000 Hz	2 µg/√Hz		Connector (Non-Integral)		4 Pin M12
Output Impedance	<100 ohm		Resonant Frequency	1,560,000 CPM	26000 Hz
				2 to 5 ft.	2.7 to 6.8