

AC292-M12A Series

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



Product Features

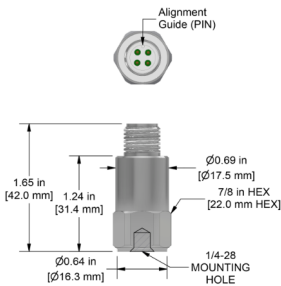
Superior RF Immunity in a Compact 100 mV/g Sensor

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