

TA202-M12A Series

Dual Output Sensor, Temperature & Acceleration, Top Exit 4 Pin M12 Connector, 100 mV/g, 10 mV/°C, ±10%

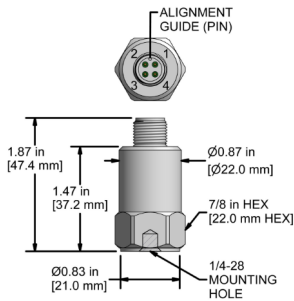


Product Features

- High Performance in a Low Cost Sensor
- Helps to Detect Bearing Defects and Temperature Changes
- ▶ Temperature (10 mV/°C) and Acceleration (100 mV/g) Outputs in One Sensor via a 4 Pin M12 Connection
 - ▶ Popularly sold with SC300 Series Signal Conditioners with built-in Temperature Output

TA202-M12A
4 Pin Connector

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



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TA202-M12A	M8/TA2 M12/	<u>Environmental</u>		
Sensitivity (±10%)	100 mV/g		Operating Temperature Range	-40 to 250 °F	-40 to 121 °C
Frequency Response (±3dB)	30-900,000 CPM	0.5-150 Hz	Maximum Shock Protection		5,000 g, peak
Frequency Response (±10%)	120-720,000 CPM	2.0-120 Hz	Electromagnetic Sensitivity		CE
Dynamic Range	± 80 g, peak *Vsource ≥ 22V, 12Vbias		Sealing		IP68
Temperature Measurement Range	-40 to 250 °F	-40 to 121 °C	Submersible Depth	200 ft.	60 m
Temperature Output	10 mV/°C		SIL Rating		SIL 2
Temperature Sensor	750 mV = 25 °C (±1)		<u>Physical</u>		
Settling Time	<2.5 seconds		Sensing Element		PZT Ceramic
			Sensing Structure		Shear Mode
			Weight	3.2 oz	90 grams
			Case Material		316L Stainless Steel
			Mounting Thread		1/4-28 Blind Tapped Hole
			Connector (Non-Integral)		4 Pin M12