

TA202-M12A Series



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

VIBRATION ANALYSIS HARDWARE



Product Features

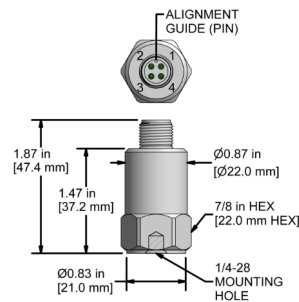
High Performance in a Low Cost Sensor

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	M/ o M8/TA2 M12/	<u>Environmental</u> Operating Temperature Range	-40 to 250 °F	-40 to 121 °C
Sensitivity (±10%)	100 mV/g		Maximum Shock Protection		5,000 g, peak
Frequency Response (±3dB)	30-900,000 CPM	0,5-150 Hz	Electromagnetic Sensitivity		CE
Frequency Response (±10%)	120-720,000 CPM	2,0-120 Hz	Sealing		IP68
Dynamic Range	± 80 g, peak *Vsource ≥ 22V, 12Vbias		Submersible Depth	200 ft.	60 m
Temperature Measurement Range	-40 to 250 °F	-40 to °C	SIL Rating		SIL 2
Temperature Output	10 mV/°C		<u>Physical</u> Sensing Element		PZT Ceramic
Temperature Sensor	750 mV = 25 °C (±1)		Sensing Structure		Shear Mode
Settling Time	<2.5 seconds		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