

TA202-M12A Series



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

VIBRATION ANALYSIS HARDWARE

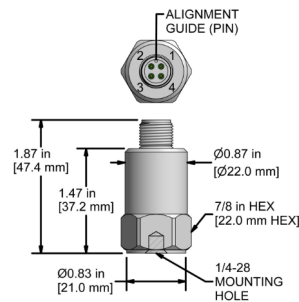


Product Features

- Temperature Output 10 mV/°C
- High Performance in a Low Cost Sensor
- ▶ 4 Pin M12 Connection
- ▶ Temperature and Acceleration in One Sensor
- ▶ Requires Multi-Conductor Cable

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		Environmental		
Sensitivity (±10%)	100 mV/g		Temperature Range	-40 to 250°F	-40 to 121°C
Frequency Response (±3dB)	30-900,000 CPM	0.5-151 Hz	Maximum Shock Protection	5,000 g, peak	
Frequency Response (±10%)	120-720,000 CPM	2.0-12000 Hz	Electromagnetic Sensitivity	CE	
Dynamic Range	± 80 g, peak		Sealing	IP68	
Temperature Measurement Range	-40 to 250°F	-40 to 121°C	Submersible Depth	200 ft.	60 m
Temperature Output	10 mV/°C		Physical		
Temperature Sensor	750 mV = 25 °C (±1)		Sensing Element	PZT Ceramic	
			Sensing Structure	Shear Mode	
			Weight	3.2 oz	90 grams
			Case Material	316L Stainless Steel	
			Mounting	1/4-28	
			Connector (Non-Integral)	4 Pin M12	
Electrical			Resonant Frequency	1,380,000 CPM	23000 Hz
Settling Time	<2.5 seconds		Mounting Torque	2 to 5 ft. lbs.	2.7 to 6.8 Nm
Voltage Source (IEPE)	18-30 VDC		Mounting Hardware	1/4-28 Stud	M6x1 Adapter
Constant Current Excitation	2-10 mA				