



## TR207-M12A Series

High Temperature RTD Accelerometer, 325 °F (162 °C) Max Temp,  
Top Exit 4 Pin M12 Connector, 100 mV/g, ±10%



VIBRATION ANALYSIS HARDWARE



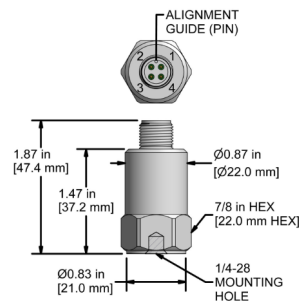
### Product Features

Proven Sensor for Standard High Temperature Applications  
Resistant to Temperatures Up to 325°F (162°C)

- ▶ Base Mounted PT100 RTD Temperature Sensor
- ▶ Temperature and Acceleration in One Sensor

### TR207-M12A 4 Pin Connector

Connector Pin	Polarity
1	(+) Signal/Power
2	(-) Common
3	RTD (+)
4	RTD (-)



### Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TR207-M12A	M/ o	<b>Environmental</b>		
		M8/TR2 M12/	Operating Temperature Range	-58 to 325 °F	-50 to 162 °C
Sensitivity (±10%)	100 mV/g		Maximum Shock Protection		5,000 g, peak
Frequency Response (±3dB)	30-750,000 CPM	0,5-125 Hz	Electromagnetic Sensitivity		CE
			Sealing		Welded, Hermetic
Frequency Response (±10%)	120-360,000 CPM	2,0-60 Hz	SIL Rating		SIL 2
			<b>Physical</b>		
Dynamic Range	±50 g, peak *Vsource ≥ 22V, 12Vbias		Sensing Element		PZT Ceramic
			Sensing Structure		Shear Mode
Temperature Measurement Range	-58 to 325 °F	-50 to °C	Case Material		316L Stainless Steel
Temperature Sensor	PT100 RTD		Mounting Thread		1/4-28 Blind Tapped Hole
<b>Electrical</b>			Connector (Non-Integral)		4 Pin M12
Settling Time	<2.5 Seconds				
Voltage Source (IEPE)	18-30 VDC		Resonant Frequency	1,380,000 CPM	23000 Hz
Constant Current Excitation	2-10 mA 8 µA/		Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm