

TR207-M12A Series



VIBRATION ANALYSIS HARDWARE

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



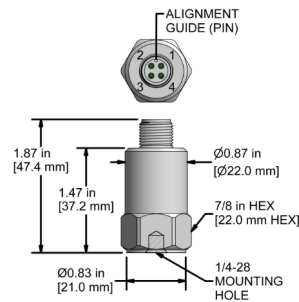
Product Features

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	M8/TR207-M12A	Environmental		
Operating Temperature Range	-58 to 325 °F	-50 to 162 °C	Maximum Shock Protection	5,000 g, peak	
Sensitivity (±10%)	100 mV/g		Electromagnetic Sensitivity	CE	
Frequency Response (±3dB)	30-750,000 CPM	0.5-125 Hz	Sealing	Welded, Hermetic	
Frequency Response (±10%)	120-360,000 CPM	2.0-60 Hz	SIL Rating	SIL 2	
Dynamic Range	±50 g, peak *Vsource ≥ 22V, 12Vbias		Sensing Element	PZT	
			Sensing Structure	Shear Mode	
Temperature Measurement Range	-58 to 325 °F	-50 to 162 °C	Case Material	316L Stainless Steel	
Temperature Sensor	PT100 RTD		Mounting Thread	1/4-28 Blind Tapped Hole	
Electrical			Connector (Non-Integral)	4 Pin M12	
Settling Time	<2.5 Seconds		Resonant Frequency	1,380,000 CPM	23000 Hz
Voltage Source (IEPE)	18-30 VDC		Mounting Torque	2 to 5 ft. lbs.	2.7 to 6.8 Nm
Constant Current Excitation	2-10 mA 8 µA/				