

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

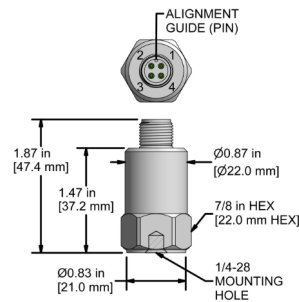
Proven Sensor for Standard High Temperature Applications
Resistant to Temperatures Up to 325°F (162°C)

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

TR207-M12A

4 Pin Connector

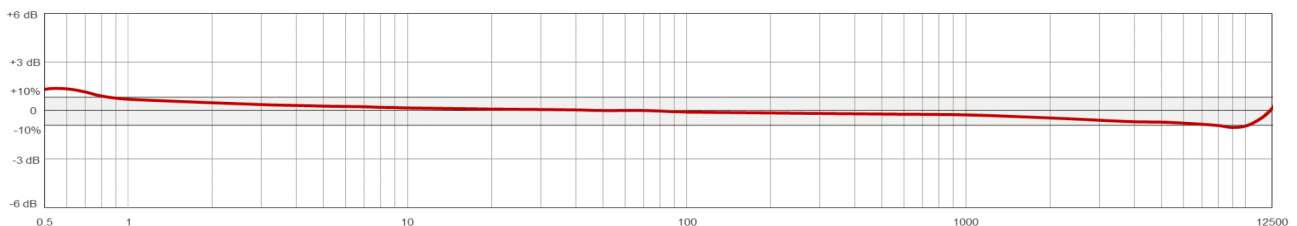
Connector Pin	Polarity
1	(+) Signal/Power
2	(-) Common
3	RTD (+)
4	RTD (-)



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TR207-M12A	M/TR207-M12A	Environmental		
Sensitivity (±10%)		100 mV/g	Temperature Range	-58 to 325° F	-50 to 162°C
Frequency Response (±3dB)	30-750,000 CPM	0.5-12500 Hz	Maximum Shock Protection		5,000 g, peak
Frequency Response (±10%)	120-360,000 CPM	2.0-6000 Hz	Electromagnetic Sensitivity		CE
Dynamic Range		±50 g, peak	Sealing		Welded, Hermetic
Temperature Measurement Range	-58 to 325° F	-50 to 162°C	SIL Rating		SIL 2
Temperature Sensor		PT100 RTD	Physical		
Electrical			Sensing Element		PZT Ceramic
Settling Time		<2.5 Seconds	Sensing Structure		Shear Mode
Voltage Source (IEPE)		18-30 VDC	Case Material		316L Stainless Steel
Constant Current Excitation		2-10 mA	Mounting		1/4-28
Spectral Noise @ 10 Hz		8 µg/√Hz	Connector (Non-Integral)		4 Pin M12
Spectral Noise @ 100 Hz		.82 µg/√Hz	Resonant Frequency	1,380,000 CPM	23000 Hz
Spectral Noise @ 1000 Hz		.3 µg/√Hz	Mounting Torque	2 to 5 ft. lbs.	2.7 to 6.8 Nm
Output Impedance		<100 ohm	Mounting Hardware	1/4-28 Stud	M6x1 Adapter Stud
Bias Output Voltage		10-14 VDC	Calibration Certificate		CA10
Case Isolation		>10 ⁸ ohm			

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

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