

# TR208-M12A Series



VIBRATION ANALYSIS HARDWARE

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



## Product Features

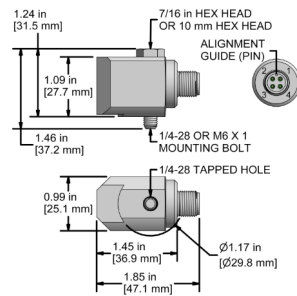
Proven Sensor for Standard High Temperature Applications  
Resistant to Temperatures Up to 325°F (162°C)

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

### TR208-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	TR208-M12A	M/TR208-M12A	<b>Environmental</b>		
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		<b>Physical</b>		
<b>Electrical</b>			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 <sup>8</sup> ohm				

## Typical Frequency Response

