

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%



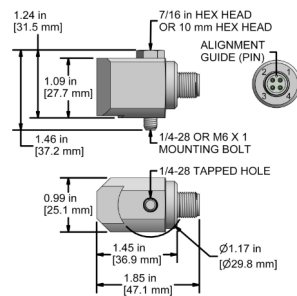
Product Features

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	Environmental		
Sensitivity (±10%)	100 mV/g		Operating Temperature Range	-58 to 325° F	-50 to 162°C
Frequency Response (±3dB)	30-750,000 CPM	0.5-125 Hz	Maximum Shock Protection		5,000 g, peak
Frequency Response (±10%)	120-360,000 CPM	2.0-600 Hz	Electromagnetic Sensitivity		CE
Dynamic Range	±50 g, peak *Vsource ≥ 22V, 12Vbias		Sealing		Welded, Hermetic
Temperature Measurement Range	-58 to 325° F	-50 to 162°C	SIL Rating		SIL 2
Temperature Sensor	PT100 RTD		Sensing Element		PZT Ceramic
Electrical			Sensing Structure		Shear Mode
Settling Time	<2.5 Seconds		Case Material		316L Stainless Steel
Voltage Source (IEPE)	18-30 VDC		Connector (Non-Integral)		4 Pin M12
Constant Current Excitation	2-10 mA		Resonant Frequency	1,380,000 CPM	23000 Hz
Spectral Noise @ 10 Hz	8 µg/√Hz		Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
			Mounting Hardware Supplied	1/4-28 Stud	M6x1 Adapter Stud
			Calibration Certificate		CA10