

# TR134-M12A Series

RTD Sensor, 500 mV/g, with 4 pin M12 side exit connector



VIBRATION ANALYSIS HARDWARE



## Product Features

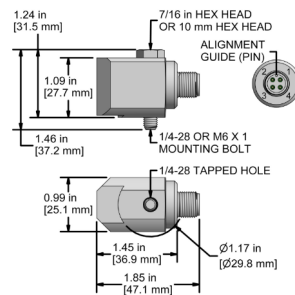
For use with CTC M4TR Connector & CB123 cabling

- ▶ Base Mounted PT100 RTD Temperature Sensor
- ▶ Temperature and Acceleration in One Sensor
- ▶ 4 Pin M12 Connection

### TR134-M12A

4 Pin Connector

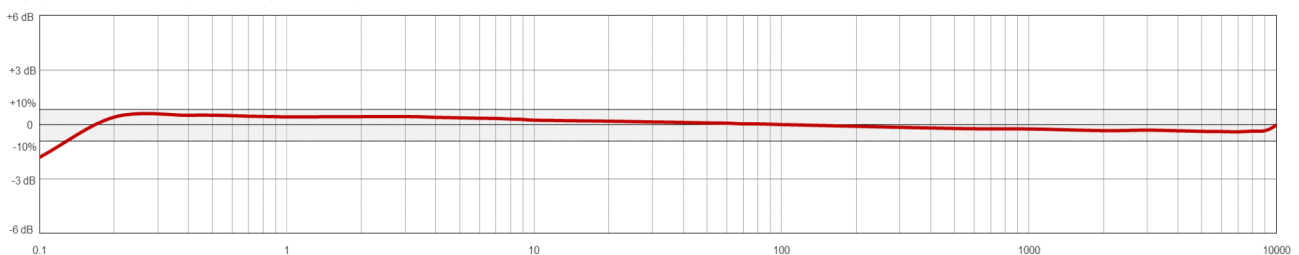
Connector Pin	Polarity
1	(+) Signal/Power
2	(-) Common
3	RTD (+)
4	RTD (-)



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TR134-M12A	M/TR134-M12A	<b>Environmental</b>		
Sensitivity ( $\pm 10\%$ )		500 mV/g	Temperature Range	-40 to 250°F	-40 to 121°C
Frequency Response ( $\pm 3\text{dB}$ )	6-600,000 CPM	0.1 Hz-10 kHz	Maximum Shock Protection		5,000 g, peak
Frequency Response ( $\pm 10\%$ )	30-120,000 CPM	0.6 Hz-3 kHz	Electromagnetic Sensitivity		CE Pending
Dynamic Range		$\pm 10\text{g}$ , peak	Sealing		Welded, Hermetic
Temperature Measurement Range	-40 to 250°F	-40 to 121°C	<b>Physical</b>		
Temperature Sensor	PT100 RTD		Sensing Element		PZT Ceramic
<b>Electrical</b>			Sensing Structure		Shear Mode
Settling Time	< 2 Seconds		Weight	3.2 oz	90 grams
Voltage Source (IEPE)	18-30 VDC		Case Material		316L Stainless Steel
Constant Current Excitation	2-10 mA		Mounting		1/4-28 UNF
Spectral Noise @ 10 Hz	1.7 $\mu\text{g}/\sqrt{\text{Hz}}$		Connector (Non-Integral)		4 Pin M12
Spectral Noise @ 100 Hz	0.2 $\mu\text{g}/\sqrt{\text{Hz}}$		Resonant Frequency	1,380,000 CPM	23 kHz
Spectral Noise @ 1000 Hz	0.12 $\mu\text{g}/\sqrt{\text{Hz}}$		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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