

TR133-M12A Series

RTD Sensor, Top Exit 4 Pin M12 Connector, 500 mV/g, ±10%



VIBRATION ANALYSIS HARDWARE



Product Features

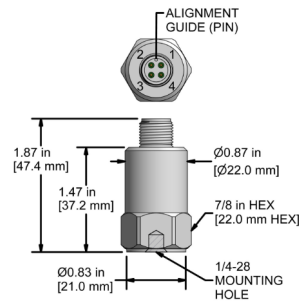
For use with CTC M4TR Connector & CB123 cabling

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

TR133-M12A

4 Pin Connector

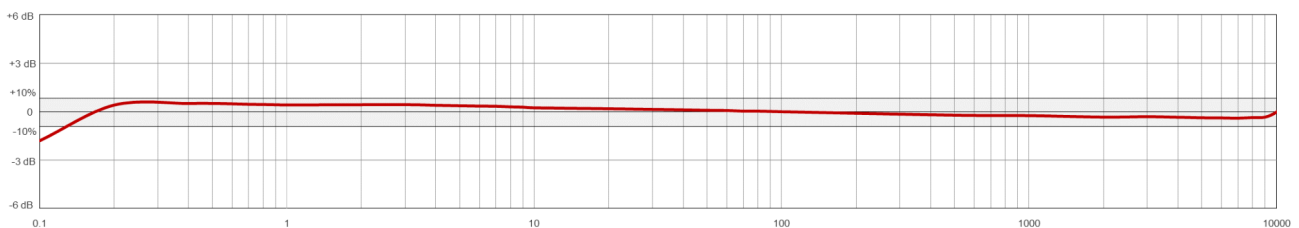
Connector Pin	Polarity
1	(+) Signal/Power
2	(-) Common
3	RTD (+)
4	RTD (-)



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TR133-M12A	M/TR133-M12A	Environmental		
Sensitivity (±10%)		500 mV/g	Temperature Range	-40 to 250°F	-40 to 121°C
Frequency Response (±3dB)	6-600,000 CPM	0.1 Hz-10 kHz	Maximum Shock Protection		5,000 g, peak
Frequency Response (±10%)	30-120,000 CPM	0.6 Hz-3 kHz	Electromagnetic Sensitivity		CE Pending
Dynamic Range		± 10g, peak	Sealing		Welded, Hermetic
Temperature Measurement Range	-40 to 250°F	-40 to 121°C	Physical		
Temperature Sensor		PT100 RTD	Sensing Element		PZT Ceramic
Electrical			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 µg/√Hz	Connector (Non-Integral)		4 Pin M12
Spectral Noise @ 100 Hz		0.2 µg/√Hz	Resonant Frequency	1,380,000 CPM	23 kHz
Spectral Noise @ 1000 Hz		0.12 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

www.ctconline.com | sales@ctconline.com | 585-924-5900