

TR133-M12A Series

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



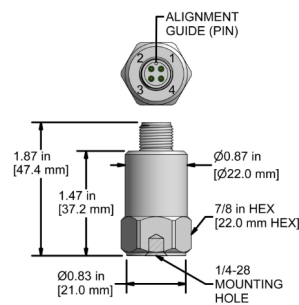
Product Features

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/ o	<u>Environmental</u>		
Operating Temperature Range			Operating Temperature Range	-40 to 250 °F	-40 to 121 °C
Sensitivity (±10%)	500 mV/g		Maximum Shock Protection		5,000 g, peak
Frequency Response (±3dB)	6-600,000 CPM	0.1 Hz- kHz	Electromagnetic Sensitivity		CE Pending
Frequency Response (±10%)	30-120,000 CPM	0.6 Hz kHz	Sealing		Welded, Hermetic
Dynamic Range	± 10g, peak *Vsource ≥ 22V, 12Vbias		<u>Physical</u>		
			Sensing Element		PZT Ceramic
			Sensing Structure		Shear Mode
Temperature Measurement Range	-40 to 250 °F	-40 to °C	Weight	3.2 oz	90 grams
Temperature Sensor	PT100 RTD		Case Material		316L Stainless Steel
<u>Electrical</u>			Mounting Thread		1/4-28 UNF
Settling Time	< 2 Seconds		Connector (Non-Integral)		4 Pin M12
Voltage Source (IEPE)	18-30 VDC		Resonant Frequency	1,380,000 CPM	23 kHz
Constant Current Excitation	2-10 mA		Mounting Torque	2 to 5 ft-lbs.	2,7 to 6,8 Nm
Spectral Noise @ 10 Hz	1.7 µg/√Hz				M6x1 or M8x1.25
	0.2 µg/√Hz			1/4-28	