

TR102-M12A Series

RTD Sensor, Top Exit 4 Pin M12 Connector, 100 mV/g, ±10%



VIBRATION ANALYSIS HARDWARE



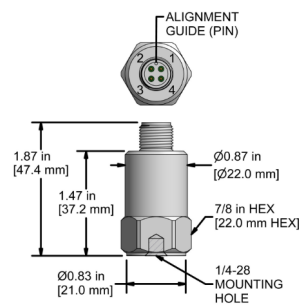
Product Features

For use with CTC M4TR Connector & CB123 cabling

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

TR102-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	TR102-M12A	M/ o	<u>Environmental</u>		
		M8/TR1	Operating Temperature Range	-40 to 250 °F	-40 to 121 °C
Sensitivity (±10%)	100 mV/g	0.5 Hz	Maximum Shock Protection	5,000 g, peak	
Frequency Response (±3dB)	30-900,000 CPM	kHz	Electromagnetic Sensitivity	CE	
Frequency Response (±10%)	120-600,000 CPM	2 Hz- kHz	Sealing	Welded, Hermetic	
Dynamic Range	± 50g, peak *Vsource ≥ 22V, 12Vbias		Sensing Element	PZT Ceramic	
Temperature Measurement Range	-40 to 250 °F	-40 to °C	Sensing Structure	Shear Mode	
Temperature Sensor	PT100 RTD		Weight	3.2 oz	90 grams
<u>Electrical</u>			Case Material	316L Stainless Steel	
Settling Time	< 2.5 Seconds		Mounting Thread	1/4-28 Blind Tapped Hole	
Voltage Source (IEPE)	18-30 VDC		Connector (Non-Integral)	4 Pin M12	
Constant Current Excitation	2-10 mA		Resonant Frequency	1,380,000 CPM	23 kHz
Spectral Noise @ 10 Hz	8 µg/√Hz			2 to 5 ft-	2.7 to 6.8