

TR102-M12A Series

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

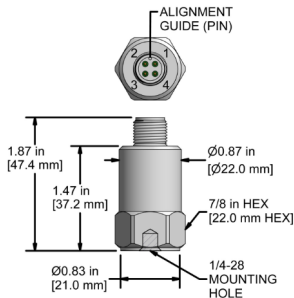


Product Features

- For use with CTC M4TR Connector & CB123 cabling
- ▶ Base Mounted PT100 RTD Temperature Sensor
 - ▶ Temperature and Acceleration in One Sensor
 - ▶ 4 Pin M12 Connection

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	M8/TR1 M12A	<u>Environmental</u> 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	Pending
Frequency Response (±10%)	120-600,000 CPM	2 Hz- kHz	Sealing	Welded, Hermetic	
Dynamic Range	± 50g, peak *Vsource ≥ 22V, 12Vbias		<u>Physical</u> Sensing Element	PZT Ceramic	
			Sensing Structure	Shear Mode	
			Weight	3.2 oz	90 grams
Temperature Measurement Range	-40 to 250 °F	-40 to °C	Case Material	316L Stainless Steel	
Temperature Sensor	PT100 RTD		Mounting Thread	1/4-28 Blind Tapped Hole	
<u>Electrical</u> Settling Time	< 2.5 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			2 to 5 ft-	2.7 to 6.8
Spectral Noise @ 10 Hz	8 µg/√Hz				