

TR104-M12A Series

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



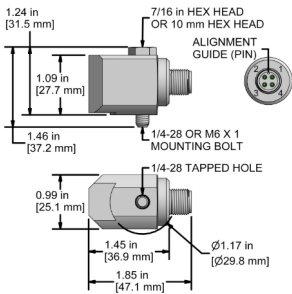
Product Features

For use with CTC M4TR Connector & CB123 Cabling

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

TR104-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	TR104-M12A	M/TR104-M12A	<u>Environmental</u>		
Sensitivity (±10%)	100 mV/g		Operating Temperature Range	-40 to 250°F	-40 to 121°C
Frequency Response (±3dB)	30-300,000 CPM	0.5 Hz-1 kHz	Maximum Shock Protection		5,000 g, peak
Frequency Response (±10%)	120-600,000 CPM	2 Hz-1 kHz	Electromagnetic Sensitivity		CE Pending
Dynamic Range	± 50g, peak *Vsource ≥ 22V, 12Vbias		Sealing		Welded, Hermetic
Temperature Measurement Range	-40 to 250°F	-40 to 121°C	<u>Physical</u>		
Temperature Sensor	PT100 RTD		Sensing Element		PZT Ceramic
			Sensing Structure		Shear Mode
			Weight	5.6 oz	160 grams
			Case Material		316L Stainless Steel
<u>Electrical</u>			Mounting Thread	1/4-28 UNF	
Settling Time	< 2.5 Seconds		Connector (Non-Integral)	4 Pin M12	
Voltage Source (IEPE)	18-30 VDC		Resonant Frequency	1,260,000 CPM	21 kHz
Constant Current Excitation	2-10 mA		Mounting Torque	2 to 5 ft.-lbs.	2,7 to 6,8 Nm
Spectral Noise @ 10 Hz	8 µg/√Hz			1/4-28	M4x1
	0.82 µg/√Hz				