

TR104-M12A Series

RTD Sensor, 100 mV/g, with 4 pin M12 side connector



VIBRATION ANALYSIS HARDWARE



Product Features

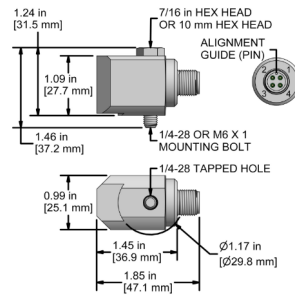
For use with CTC M4TR Connector & CB123 Cabling

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

TR104-M12A

4 Pin Connector

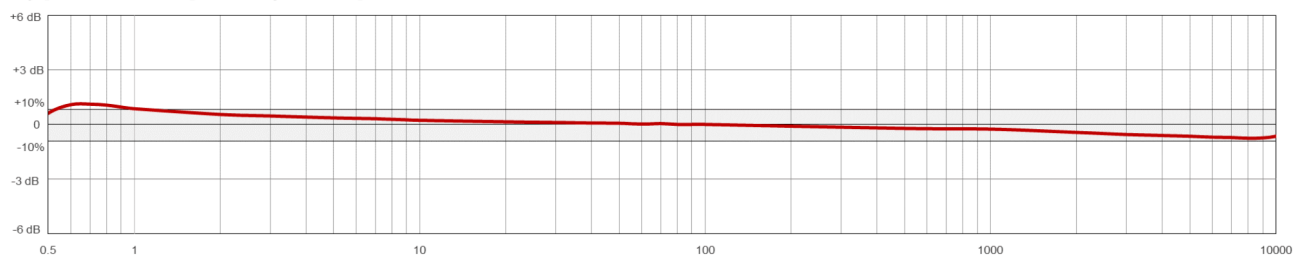
Connector Pin	Polarity
1	(+) Signal/Power
2	(-) Common
3	RTD (+)
4	RTD (-)



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TR104-M12A	M/TR104-M12A	Environmental		
Sensitivity ($\pm 10\%$)		100 mV/g	Temperature Range	-40 to 250°F	-40 to 121°C
Frequency Response ($\pm 3\text{dB}$)	30-300,000 CPM	0.5 Hz-15 kHz	Maximum Shock Protection		5,000 g, peak
Frequency Response ($\pm 10\%$)	120-600,000 CPM	2 Hz-10 kHz	Electromagnetic Sensitivity		CE Pending
Dynamic Range		$\pm 50\text{g}$, 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		< 2.5 Seconds	Weight	5.6 oz	160 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		8 $\mu\text{g}/\sqrt{\text{Hz}}$	Connector (Non-Integral)		4 Pin M12
Spectral Noise @ 100 Hz		0.82 $\mu\text{g}/\sqrt{\text{Hz}}$	Resonant Frequency	1,260,000 CPM	21 kHz
Spectral Noise @ 1000 Hz		0.3 $\mu\text{g}/\sqrt{\text{Hz}}$	Mounting Torque	2 to 5 ft.-lbs.	2,7 to 6,8 Nm
Output Impedance		< 100 ohm	Mounting Hardware	1/4-28 Captive Bolt	M6x1 Captive Bolt
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