

TA104-M12

Dual Output, Temperature/Acceleration, Side Exit M12 Connector/Cable,
100 mV/g, 10 mV/°C

SECTION I - VIBRATION SENSORS
Dual Output Accelerometers

Actual Product Size Shown
CE



Requires **Multi-Conductor Cable**

Product Features

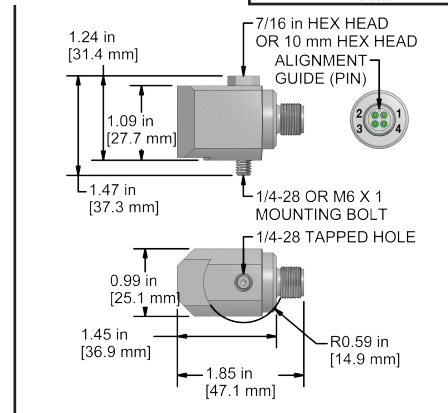
Temperature Output 10 mV/°C
High Performance in a Low Cost Sensor

- 4 Pin M12 Connection
- Temperature and Acceleration in One Sensor
- Affordably Priced

TA104-M12A

4 Pin Connector

Connector Pin	Polarity
1	(+) Signal/Power
2	(+) Common
3	(-) Temperature Voltage
4	Not Used



Specifications	Standard	Metric
Part Number	TA104-M12A	M/TA104-M12A
Vibration		
Sensitivity (±10%)	100 mV/g	
Frequency Response (±3dB)	30-600,000 CPM	0,5-10000 Hz
Frequency Response (±10%)	120-300,000 CPM	2,0-5000 Hz
Dynamic Range	± 80 g, peak	
Temperature Measurement Range	37° to 250° F	3° to 121° C
Temperature Output	10 mV/°C	
Electrical		
Settling Time	<2.5 seconds	
Voltage Source (IEPE)	18-30 VDC	
Constant Current Excitation	2-10 mA	
Spectral Noise @ 10 Hz	8 µg/√Hz	
Spectral Noise @ 100 Hz	0.82 µg/√Hz	
Spectral Noise @ 1000 Hz	0.3 µg/√Hz	
Output Impedance	<100 ohm	
Bias Output Voltage	10-14 VDC	
Case Isolation	>10 ⁹ ohm	

Specifications	Standard	Metric
Environmental		
Temperature Range	-40 to 250°F	-40 to 121°C
Maximum Shock Protection	5,000 g, peak	
Electromagnetic Sensitivity	CE	
Sealing	Welded, Hermetic	
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	5.6 oz	160 grams
Case Material	316L Stainless Steel	
Mounting	1/4-28	
Connector (non-integral)	4 Pin M12	
Resonant Frequency	1,260,000 CPM	21000 Hz
Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Mounting Hardware	1/4-28 Captive Bolt	M6x1 Captive Bolt
Calibration Certificate	CA10	

Ordering Information

Standard	TA104-M12A (1/4-28 Captive Bolt)
Metric	M/TA104-M121A (M6x1 Captive Bolt)

Backed by our Unconditional Lifetime Warranty

www.ctconline.com

