

# TA204-M12A Series



VIBRATION ANALYSIS HARDWARE

Dual Output Sensor, Temperature & Acceleration, Side Exit 4 Pin M12 Connector, 100 mV/g, 10 mV/°C, ±10%



## Product Features

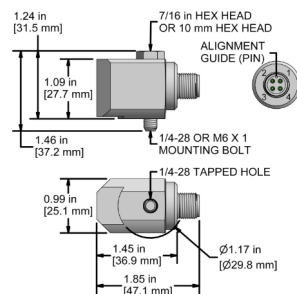
High Performance in a Low Cost Sensor

Helps to Detect Bearing Defects and Temperature Changes

- ▶ Temperature (10 mV/°C) and Acceleration (100 mV/g) Outputs in One Sensor via a 4 Pin M12 Connection
- ▶ Popularly sold with SC300 Series Signal Conditioners with built-in Temperature Output

### TA204-M12A 4 Pin Connector

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



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TA204-M12A	M/TA204-M12A	<b>Environmental</b>		
Sensitivity (±10%)	100 mV/g		Operating Temperature Range	-40 to 250°F	-40 to 121°C
Frequency Response (±3dB)	30-600,000 CPM	0.5-100 Hz	Maximum Shock Protection		5,000 g, peak
Frequency Response (±10%)	120-300,000 CPM	2.0-501 Hz	Electromagnetic Sensitivity		CE
Dynamic Range	± 80 g, peak *Vsource ≥ 22V, 12Vbias		Sealing		IP68
Temperature Measurement Range	-40 to 250°F	-40 to 121°C	Submersible Depth	200 ft.	60 m
Temperature Output	10 mV/°C		SIL Rating		SIL 2
Temperature Sensor	750 mV = 25 °C (±1)		<b>Physical</b>		
Settling Time	<2.5 seconds		Sensing Element		PZT Ceramic
	18-30		Sensing Structure		Shear Mode
			Weight	5.6 oz	160 grams
			Case Material		316L Stainless Steel
			Connector (Non-Integral)		4 Pin M12
<b>Electrical</b>			Resonant Frequency	1,260,000 CPM	21000 Hz
			Mounting Torque	2 to 5 ft. lbs	2.7 to 6.8 Nm