

# TA203-M12A Series



VIBRATION ANALYSIS HARDWARE

Premium Dual Output Sensor, Temperature & Acceleration, Side Exit 4 Pin M12 Connector, 100 mV/g, 10 mV/°C, ±5%



## Product Features

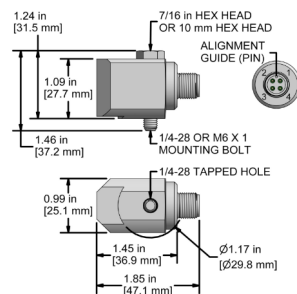
Premium, High Performance Sensor

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

### TA203-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	TA203-M12A		<b>Environmental</b>		
Sensitivity (±5%)	100 mV/g		Operating Temperature Range	-40 to 250 °F	-40 to 121 °C
Frequency Response (±3dB)	30-600,000 CPM	0.5-10 Hz	Maximum Shock Protection	5,000 g, peak	
Frequency Response (±10%)	120-300,000 CPM	2.0-5 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		<b>Physical</b>		
Temperature Sensor	750 mV = 25 °C (±1)		Sensing Element	PZT Ceramic	
Settling Time	<2.5 seconds		Sensing Structure	Shear Mode	
	18-30		Weight	5.6 oz	160 grams
			Case Material	316L Stainless Steel	
			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
				1/4-28	M6x1