

# TA204 Series

Dual Output Sensor, Temperature & Acceleration, Side Exit 3 Pin Connector, 100 mV/g, 10 mV/°C, ±10%



VIBRATION ANALYSIS HARDWARE

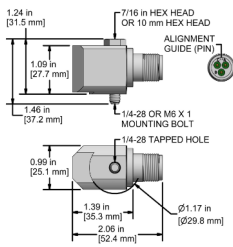


## Product Features

- Temperature Output 10 mV/°C
- High Performance in a Low Cost Sensor
- ▶ Standard 3 Pin MIL Connection
- ▶ Requires Multi-Conductor Cable
- ▶ Affordably Priced

### TA204-1A 3 Pin Connector

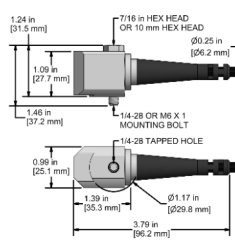
Connector Pin	Polarity
A	(+) Signal/Power
B	(-) Common
C	(+) Temperature Voltage



Stock Product

### TA204-2A CB105 Integral Cable

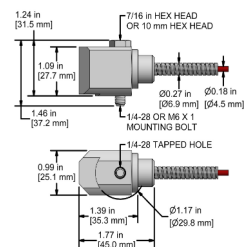
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
White	(+) Temperature Voltage
Shield	Cable Drain Wire



Built To Order

### TA204-3A CB218 Armored Integral Cable

Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
White	(+) Temperature Voltage
Shield	Cable Drain Wire



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TA204		<b>Environmental</b>		
Sensitivity (±10%)	100 mV/g		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	2.0-500 Hz	Electromagnetic Sensitivity	CE	
Dynamic Range	± 80 g, peak		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	
Voltage Source (IEPE)	18-30 VDC		Weight	5.6 oz	160 grams
Constant Current Excitation	2-10 mA		Case Material	316L Stainless Steel	
Spectral Noise @ 10 Hz	14 µg/√Hz		Mounting	1/4-28	
Spectral Noise @ 100 Hz	2.3 µg/√Hz		Connector (Non-Integral)	3 Pin MIL-C-5015	
			Resonant Frequency	1,260,000 CPM	21000 Hz
			Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
			Mounting Hardware	Captive Bolt	Captive Bolt
			Calibration Certificate	CA10	