

TA201 Series



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

VIBRATION ANALYSIS HARDWARE



Product Features

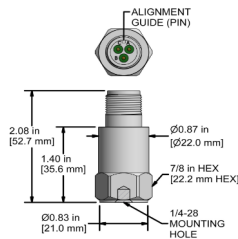
Premium Performance Sensor

Helps to Detect Bearing Defects and Temperature Changes

- ▶ Temperature (10 mV/°C) and Acceleration (100 mV/g) Outputs in One Sensor via a Standard 3 Pin MIL Connection
- ▶ Popularly sold with SC300 Series Signal Conditioners with built-in Temperature Output

TA201-1A 3 Pin Connector

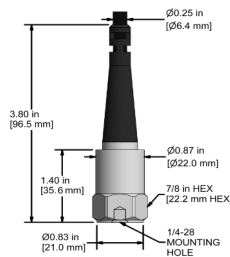
Connector Pin	Polarity
A	(+) Signal/Power
B	(-) Common
C	(+) Temperature Voltage



Stock Product

TA201-2A CB105 Integral Cable

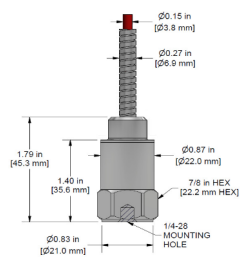
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
White	(+) Temperature
Shield	Cable Drain Wire



Built To Order

TA201-3A CB218 Amored Integral Cable

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



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TA201	M/ or M8/TA2	<u>Environmental</u>		
Sensitivity (±5%)	100 mV/g		Operating Temperature Range	-40 to 250 °F	-40 to 121 °C
Frequency Response (±3dB)	30-900,000 CPM	0.5-1500	Maximum Shock Protection	5,000 g, peak	
Frequency Response (±10%)	120-720,000 CPM	2.0-120 Hz	Electromagnetic Sensitivity	CE	
Dynamic Range	± 80 g, peak *Vsource ≥ 22V, 12Vbias		Sealing	Welded, Hermetic	
Temperature Measurement Range	-40 to 250 °F	-40 to 121 °C	Submersible Depth	200 ft.	60 m
Temperature Output	10 mV/°C		<u>Physical</u>		
Temperature Sensor	750 mV = 25 °C (±1)		Sensing Element	PZT	
Settling Time	<2.5 seconds		Sensing Structure	Shear Mode	
	18-30		Weight	3.2 oz	90 grams
			Case Material	316L Stainless Steel	
			Mounting Thread	1/4-28 Blind Tapped Hole	
			Connector (Non-Integral)	MIL-	