TA202 Series

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

VIBRATION ANALYSIS HARDWARE

Product Features

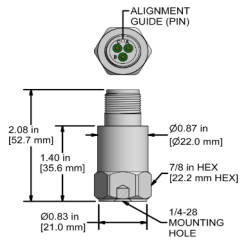
High Performance in a Low Cost Sensor

Helps to Detect Bearing Defects and Temperature Changes

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

TA202-1A
3 Pin Connector

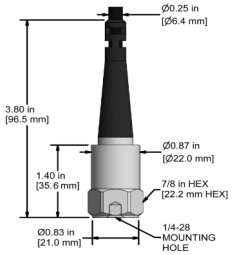
Connector Pin	Polarity
A	(+) Signal/Power
B	(-) Common
C	(+) Temperature Voltage



Stock Product

TA202-2A
CB105 Integral Cable

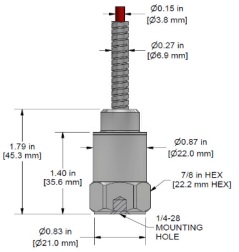
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
White	(+) Temperature Voltage
Shield	Cable Drain Wire



Built To Order

TA202-3A
CB218 Amored Integral Cable

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



Built To Order

Specifications	Standard	Metr
Part Number	TA202	M/ or M8/TA2
Sensitivity (±10%)	100 mV/g	
Frequency Response (±3dB)	30-900,000 CPM	0,5-150 Hz
Frequency Response (±10%)	120-720,000 CPM	2,0-120 Hz
Dynamic Range	± 80 g, peak *Vsource ≥ 22V, 12Vbias	
Temperature Measurement Range	-40 to 250 °F	-40 to ' °C
Temperature Output	10 mV/°C	
Temperature Sensor	750 mV = 25 °C (±1)	
Electrical		
Settling Time	<2.5 seconds	
Voltage Source (IEPE)	18-30 VDC	
Constant Current Excitation	2-10 mA	
	14 µg/	

Specifications	Standard	Metric
Environmental		
Operating Temperature Range	-40 to 250 °F	-40 to 121 °C
Maximum Shock Protection	5,000 g, peak	
Electromagnetic Sensitivity	CE	
Sealing	Welded, Hermetic	
Submersible Depth	200 ft.	60 m
SIL Rating	SIL 2	
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	3.2 oz	90 grams
Case Material	316L Stainless Steel	
Mounting Thread	1/4-28 Blind Tapped Hole	
Connector (Non-Integral)	3 Pin MIL-C-5015	