

TA218 Series

Dual Output Sensor, Temperature & Acceleration, Side Exit 3 Pin Connector, 50 mV/g, 10 mV/°C, ±10%



VIBRATION ANALYSIS HARDWARE



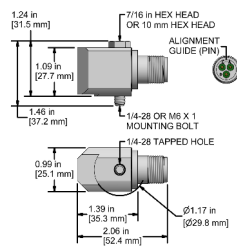
Product Features

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

TA218-1A

3 Pin Connector

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

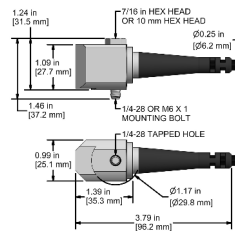


Stock Product

TA218-2A

CB105 Integral Cable

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

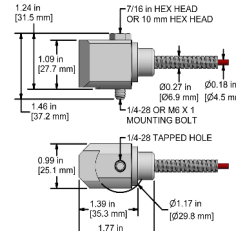


Built To Order

TA218-3A

CB218 Armored Integral Cable

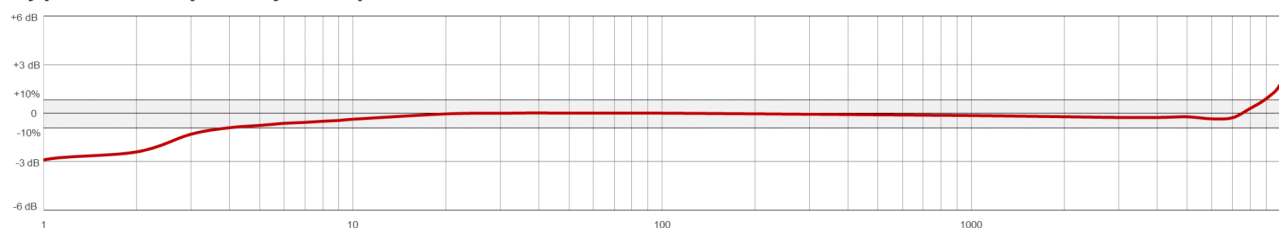
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
White	(+) Temperature Voltage
Shield	Cable Drain Wire



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TA218		<u>Environmental</u>		
Sensitivity (±10%)	50 mV/g		Temperature Range	-40 to 250°F	-40 to 121°C
Frequency Response (±3dB)	60-600,000 CPM	1,0-10000 Hz	Maximum Shock Protection	5,000 g, peak	
Frequency Response (±10%)	240-360,000 CPM	4,0-6000 Hz	Electromagnetic Sensitivity	CE	
Dynamic Range	± 100 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		<u>Physical</u>		
Temperature Sensor	750 mV = 25 °C (±1)				
<u>Electrical</u>					
Settling Time	<2.5 seconds				
Voltage Source (IEPE)	18-30 VDC				
Constant Current Excitation	2-10 mA				
Spectral Noise @ 10 Hz	14 µg/√Hz				
Spectral Noise @ 100 Hz	2.3 µg/√Hz				
Spectral Noise @ 1000 Hz	2 µg/√Hz				
Output Impedance	<100 ohm				
Bias Output Voltage	10-14 VDC				
Case Isolation	>10 ⁸ ohm				

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

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