TA936 Series

Low Capacitance, Class I, Division 2 / Zone 2 Dual Output Sensor, Acceleration and Temperature, Side Exit 3 Pin Connector, 100 mV/g, 10 mV°C, ±10%

VIBRATION ANALYSIS HARDWARE

Regulatory Information

Ex nA IIC T3 Gc
AEx nA IIC T3 Gc
CLI Groups A, B, C, D
CLII Groups E, F, G; CLIII
CLI, Zone 2

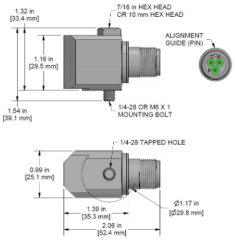
Ui = 28 Vdc Ii = 100 mA
Ci = 0µf Li = 51uH Pi = 100 mW
CSA 221421

Sira 15ATEX2152X
Ex nA IIc T3 Gc

Operating Temperature Code: T3
Ambient Temperature Range = -40 to 121°C

TA936-1A
3 Pin Connector

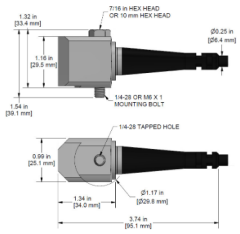
Connector Pin	Polarity
A	(+) Signal/Power
B	(-) Common
C	(+) Temperature Voltage



Stock Product

TA936-2C
CB191 Integral Cable

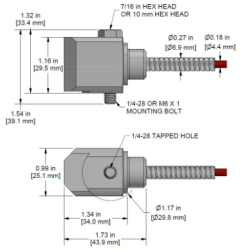
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
White	(+) Temperature Voltage
Shield	Cable Drain Wire



Built To Order

TA936-3C
CB218 Armored Integral Cable

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



Built To Order

Specifications	Standard	Metric
Part Number	TA936	M/TA936
Sensitivity (±10%)	100 mV/g	
Frequency Response (±3dB)	30-516,000 CPM	0,5-8600
Frequency Response (±10%)	60-360,000 CPM	1,0-6000 Hz
Dynamic Range	± 80 g, peak	
Temperature Measurement Range	36.5 to 212°F	2.5 to 100°C
Temperature Output	10 mV/°C	
Electrical		
Settling Time	<2 Seconds	
Voltage Source (IEPE)	18-28 VDC	
Constant Current Excitation	2-10 mA	
Spectral Noise @ 10 Hz	30 µg/√Hz	
Spectral Noise @ 100 Hz	19 µg/√Hz	
Spectral Noise @ 1000 Hz	15 µg/√Hz	

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	
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	5.3 oz	151 grams
Case Material	316L Stainless Steel	
Mounting Thread	1/4-28	
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