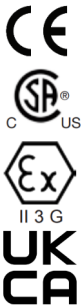


TA936 Series

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%



Regulatory Information

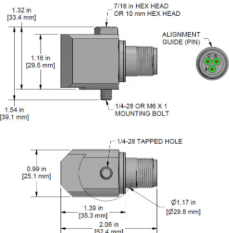
Ex nA IIC T3 Gc
AEx nA IIC T3 Gc
CLI Groups A, B, C, D
CLII Groups E, F, G; CLIII
CLI, Zone 2

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

Sira 15ATEX2152X
Operating Temperature Code: T3 Ex nA IIC T3 Gc
Ambient Temperature Range =
-40 to 121°C

TA936-1A
3 Pin Connector

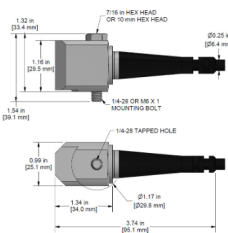
Connector	Polarity
Pin	
A	(+) Signal/Power
B	(-) Common
C	(+) Temperature Voltage



Stock Product

TA936-2C
CB191 Integral Cable

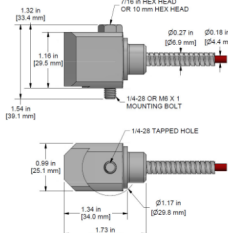
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
White	(+) Temperature Voltage
Shield	Cable Drain Wire



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	Specifications	Standard	Metric
Part Number	TA936	M/TA936	Environmental		
Sensitivity (±10%)	100 mV/g		Operating Temperature Range	-40 to 250°F	-40 to 121°C
Frequency Response (±3dB)	30-516,000 CPM	0,5-860	Maximum Shock Protection	5,000 g, peak	
Frequency Response (±10%)	60-360,000 CPM	1,0-6000 Hz	Electromagnetic Sensitivity	CE	
Dynamic Range	± 80 g, peak		Sealing	Welded, Hermetic	
Temperature Measurement Range	36.5 to 212°F	2.5 to 100°C	Sensing Element	PZT Ceramic	
Temperature Output	10 mV/°C		Sensing Structure	Shear Mode	
Electrical			Weight	5.3 oz	151 grams
Settling Time	<2 Seconds		Case Material	316L Stainless Steel	
Voltage Source (IEPE)	18-28 VDC		Mounting Thread	1/4-28	
Constant Current Excitation	2-10 mA		Connector (Non-Integral)	3 Pin MIL-C-5015	
Spectral Noise @ 10 Hz	30 µg/√Hz		Resonant Frequency	1,260,000 CPM	21000 Hz
Spectral Noise @ 100 Hz	19 µg/√Hz		Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Spectral Noise @ 1000 Hz	15 µg/√Hz				