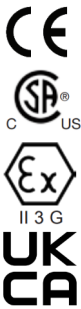


TA938 Series



VIBRATION ANALYSIS HARDWARE

Low Capacitance, Class I, Division 2 / Zone 2 Dual Output Sensor,
Acceleration and Temperature, Side Exit 3 Pin Connector, M8
Captive Bolt, 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

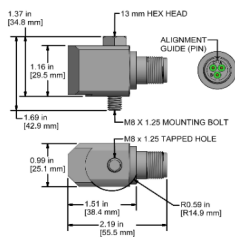
Ui = 28 Vdc Ii = 100 mA
Ci = 0µf Li = 51µH Pi =
100 mW
CSA 221421
Sira 15ATEX2152X

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

TA938-1A

3 Pin Connector

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

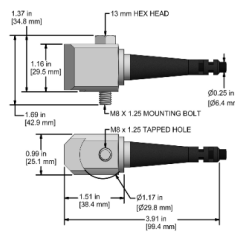


Stock Product

TA938-2C

CB191 Integral Cable

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

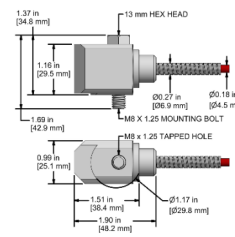


Built To Order

TA938-3C

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
Sensitivity (±10%)	100 mV/g		Environmental		
			Operating Temperature Range	-40 to 250°F	-40 to 121°C
Frequency Response (±3dB)	30-600,000 CPM	0,5-100 Hz	Maximum Shock Protection	5,000 g, peak	
Frequency Response (±10%)	120-300,000 CPM	2,0-50 Hz	Sealing	Welded, Hermetic	
Dynamic Range	± 50 g, peak		Physical		
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	6.3 oz	180 grams
Settling Time	<2.5 seconds		Case Material	316L Stainless Steel	
Voltage Source (IEPE)	18-28 VDC		Mounting Thread	M8x1.25	
Constant Current Excitation	2-10 mA		Connector (Non-Integral)	3 Pin MIL-C-5015	
Spectral Noise @ 10 Hz	8 µg/√Hz		Resonant Frequency	1,260,000 CPM	21000 Hz
Spectral Noise @ 100 Hz	.82 µg/√Hz		Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Spectral Noise @ 1000 Hz	.3 µg/√Hz		Mounting Hardware Supplied	M8 Captive	