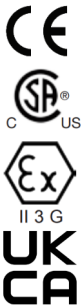


TA931 Series

Low Capacitance, Class I, Division 2 / Zone 2 Dual Output Sensor,
Acceleration and Temperature, Top Exit 3 Pin Connector, 10 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

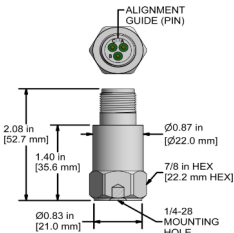
Ui = 28 Vdc Ii = 100 mA
Ci = 0µf Li = 51uH Pi =
100 mW
CSA 221421

Sira 15ATEX2152X

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

TA931-1A
3 Pin Connector

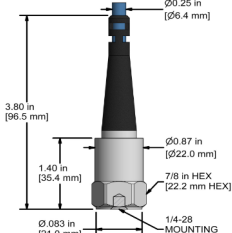
Connector	Polarity
Pin	
A	(+) Signal/Power
B	(-) Common
C	(+) Temperature Voltage



Stock Product

TA931-2C
CB191 Integral Cable

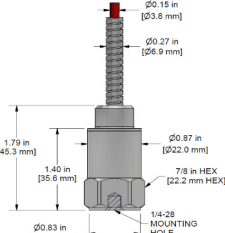
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
White	(+) Temperature Voltage
Shield	Cable Drain Wire



Built To Order

TA931-3C
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	TA931	M/ or Environmental M8/TA931	Operating Temperature Range	-40 to 250 °F	-40 to 121 °C
Sensitivity (±10%)	10 mV/g		Maximum Shock Protection	5,000 g, peak	
Frequency Response (±3dB)	72-900,000 CPM	1,2-1500 Hz	Electromagnetic Sensitivity	CE	
Frequency Response (±10%)	150-360,000 CPM	2,5-600 Hz	Sealing	Welded, Hermetic	
Dynamic Range	± 800 g, peak		Sensing Element	PZT Ceramic	
Temperature Measurement Range	36.5 to 212 °F	2.5 to 10 °C	Sensing Structure	Shear Mode	
Temperature Output	10 mV/ °C		Weight	3.2 oz	90 grams
Settling Time	<2 seconds		Case Material	316L Stainless Steel	
Voltage Source (IEPE)	18-28 VDC		Mounting Thread	1/4-28 Blind Tapped Hole	
Constant Current Excitation	2-10 mA		Connector (Non-Integral)	3 Pin MIL-C-5015	
Spectral Noise @ 10 Hz	30 µg/√Hz				
Spectral Noise @ 100 Hz	19 µg/√Hz				
Spectral Noise @ 1000 Hz	15 µg/√Hz				