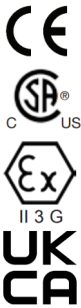


TA935 Series

Low Capacitance, Class I, Division 2 / Zone 2 Dual Output Sensor,
Acceleration and Temperature, Top 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

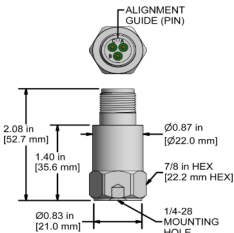
Ui = 28 Vdc Li = 100 mA
Ci = 0µf Li = 51uH Pi =
100 mW
CSA 221421

Sira 15ATEX2152X

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

TA935-1A
3 Pin Connector

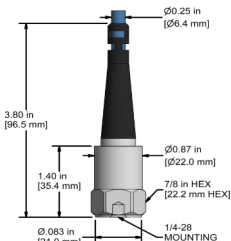
Connector	Polarity
Pin	
A	(+) Signal/Power
B	(-) Common
C	(+) Temperature Voltage



Stock Product

TA935-2C
CB191 Integral Cable

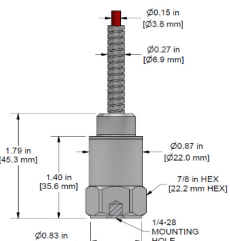
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
White	(+) Temperature Voltage
Shield	Cable Drain Wire



Built To Order

TA935-3C
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	TA935	M/ or M8/TA935	Environmental		
Operating Temperature Range	-40 to 250 °F	-40 to 121 °C			
Sensitivity (±10%)	100 mV/g		Maximum Shock Protection	5,000 g, peak	
Frequency Response (±3dB)	30-900,000 CPM	0.5-1500 Hz	Electromagnetic Sensitivity	CE	
Frequency Response (±10%)	60-360,000 CPM	1.0-600 Hz	Sealing	Welded, Hermetic	
Dynamic Range	± 80 g, peak		Physical		
Temperature Measurement Range	36.5 to 212 °F	2.5 to 10 °C	Sensing Element	PZT Ceramic	
Temperature Output	10 mV/ °C		Sensing Structure	Shear Mode	
Electrical			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				