

TA911 Series

Low Capacitance, Intrinsically Safe Dual Output Accelerometer,
Acceleration and Temperature, Top Exit 3 Pin Connector, 10 mV/g, 10
mV/°C, ±10%



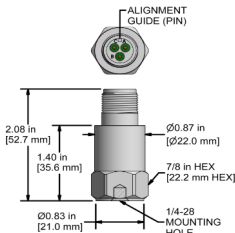
Regulatory Information

Ex ia IIC T3 Ga
AEx is IIC T3 Ga
CLI Groups A, B, C, D
CLII Groups E, F, G; CLIII
CLI, Zone 0

CSA 22 UKEX 1408X
Ex ia IIC T3/T4 Ga
Ex ia I Ma
Sira 15ATEX2152X
Ex ia IIC T3 Ga
Operating Temperature Code: T3 Ex ia I Ma
Ambient Temperature Range =
-40 to 80°C
Control Drawing INS10012
Ui = 28 Vdc li = 112 mA
Pi = 1W, Ci = 1.5nF, Li = 0μH
CSA 221421

TA911-1A
3 Pin Connector

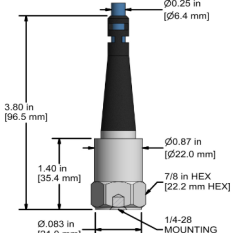
Connector	Polarity
Pin	
A	(+) Signal/Power
B	(-) Common
C	(+) Temperature Voltage



Stock Product

TA911-2C
CB191 Integral Cable

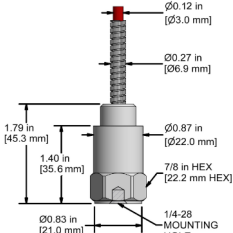
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
White	(+) Temperature Voltage
Shield	Cable Drain Wire



Built To Order

TA911-3C
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	TA911	M/ or M8/TA91	Environmental		
Sensitivity (±10%)	10 mV/g		Operating Temperature Range	-40 to 250 °F	-40 to 121 °C
Frequency Response (±3dB)	72-900,000 CPM	1,2-1500	Maximum Shock Protection	5,000 g, peak	
Frequency Response (±10%)	150-360,000 CPM	2,5-600 Hz	Electromagnetic Sensitivity	CE	
Dynamic Range	± 800 g, peak		Sealing	Welded, Hermetic	
Temperature Measurement Range	36.5 to 212 °F	2.5 to 100 °C	Physical		
Temperature Output	10 mV/ °C		Sensing Element	PZT Ceramic	
Settling Time	< 2 seconds		Sensing Structure	Shear Mode	
Voltage Source (IEPE)	18-28 VDC		Weight	3.2 oz	90 grams
Constant Current Excitation	2-10 mA		Case Material	316L Stainless Steel	
Spectral Noise @ 10 Hz	30 µg/√Hz		Mounting Thread	1/4-28 Blind Tapped Hole	
Spectral Noise @ 100 Hz	19 µg/√Hz		Connector (Non-Integral)	3 Pin MIL-8-5015	