

TA915 Series



VIBRATION ANALYSIS HARDWARE

Low Capacitance, Intrinsically Safe Dual Output Accelerometer, Acceleration and Temperature, Top Exit 3 Pin Connector, 100 mV/g, 10 mV/°C, ±10%

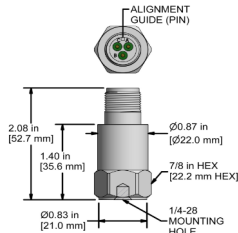


Regulatory Information

Ex ia IIC T3 Ga	CSA 22 UKEX 1408X
AEx is IIC T3 Ga	Ex ia IIC T3/T4 Ga
CLI Groups A, B, C, D	Ex ia I Ma
CLII Groups E, F, G; CLIII	Sira 15ATEX2152X
CLI, Zone 0	Ex ia IIC T3 Ga
Operating Temperature Code: T3	Ex ia I Ma
Ambient Temperature Range = -40 to 80°C	IECEx SIR 15.0060X
Control Drawing INS10012	Ex ia IIC T3 Ga
Ui = 28 Vdc li = 112 mA	Ex ia I Ma
Pi = 1W, Ci = 1.5nF, Li = 0µH	
CSA 221421	

TA915-1A 3 Pin Connector

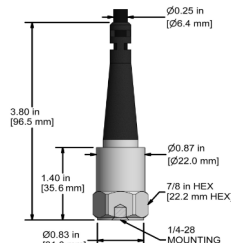
Connector Pin	Polarity
A	(+) Signal/Power
B	(-) Common
C	(+) Temperature Voltage



Stock Product

TA915-2C Integral Cable

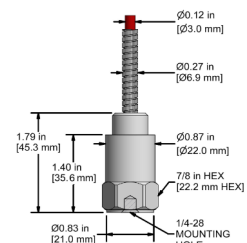
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
White	(+) Temperature Voltage
Shield	Cable Drain Wire



Built To Order

TA915-3C 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	TA915	M/ or M8/TA91	Environmental		
Sensitivity (±10%)	100 mV/g		Operating Temperature Range	-40 to 250 °F	-40 to 121 °C
Frequency Response (±3dB)	30-900,000 CPM	0,5-1500	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 10 °C	Sensing Element	PZT Ceramic	
Temperature Output	10 mV/°C		Sensing Structure	Shear Mode	
Electrical			Weight	3.2 oz	91 grams
Settling Time	<3 seconds		Case Material	316L Stainless Steel	
Voltage Source (IEPE)	18-28 VDC		Mounting Thread	Blind Tapped Hole	
Spectral Noise @ 10 Hz	30 µg/√Hz		Connector (Non-Integral)	MIL-C-5015	
Spectral Noise @ 100 Hz	19 µg/√Hz				