

TA915 Series



VIBRATION ANALYSIS HARDWARE

Nonincendive, Intrinsically Safe, CSA North America Class 1, Division 1 and IECEx/ATEX Zone 0,1 Approved Dual Output Accelerometer, Acceleration and Temperature, Top Exit 3 Pin Connector, 100 mV/g, 10 mV/°C, ±10%



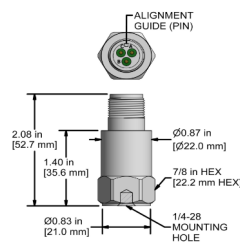
Regulatory Information

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	
CLI, Zone 0	Sira 15ATEX2152X
Operating Temperature Code: T3	Ex ia IIC T3 Ga
Ambient Temperature Range = -40 to 80°C	Ex ia I Ma
Control Drawing INS10012	IECEx SIR 15.0060X
Ui = 28 Vdc li = 112 mA	Ex ia IIC T3 Ga
Pi = 1W, Ci = 1.5nF, Li = 0µH	Ex ia I Ma
CSA 221421	

TA915-1A

3 Pin Connector

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

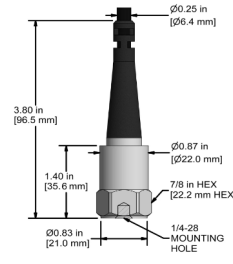


Stock Product

TA915-2C

Integral Cable

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

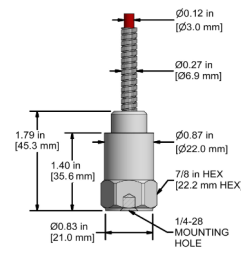


Built To Order

TA915-3C

Armored Integral Cable

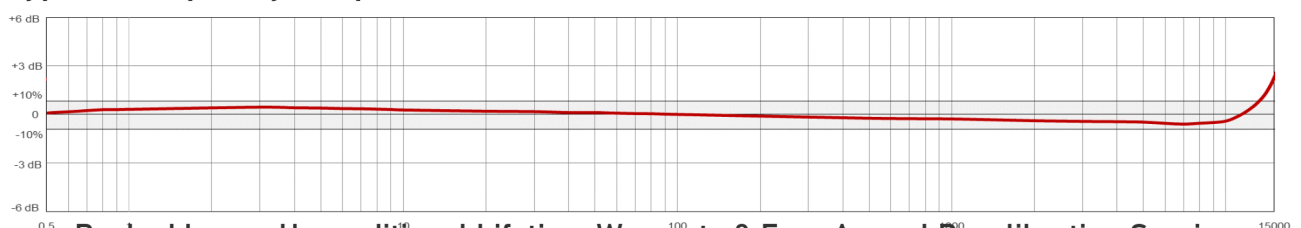
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
White	(+) Temperature Voltage
Shield	Cable Drain Wire



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TA915	M/ or M8/TA915	Environmental		
Sensitivity (±10%)	100 mV/g		Operating Temperature Range	-40 to 250 °F	-40 to 121 °C
Frequency Response (±3dB)	30-900,000 CPM	0.5-15000 Hz	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 100 °C	Physical		
Temperature Output	10 mV/°C		Sensing Element	PZT Ceramic	
Electrical			Sensing Structure	Shear Mode	
Settling Time	<3 seconds		Weight	3.2 oz	91 grams
Voltage Source (IEPE)	18-28 VDC		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-C-5015	
Spectral Noise @ 1000 Hz	15 µg/√Hz		Resonant Frequency	1,380,000 CPM	23000 Hz
Output Impedance	<100 ohm		Mounting Torque	2 to 5 ft. lbs	2,7 to 9,8 Nm
Bias Output Voltage	10-14 VDC		Mounting Hardware Supplied	1/4-28 stud	M6x1 or M8x1.25 Adapter Stud
Case Isolation	>10 ⁸ ohm		Calibration Certificate	CA10	

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty & Free Annual Recalibration Service

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