

TA918 Series



VIBRATION ANALYSIS HARDWARE

Intrinsically Safe Dual Output Accelerometer, Acceleration and Temperature, 100 mV/g, 10 mV/°C, 3 Pin Side Exit Connector With M8 Captive Bolt



IECEx
IECEx SIR 15.0060X



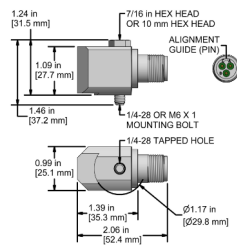
Regulatory Information

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

TA918-1A

3 Pin Connector

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

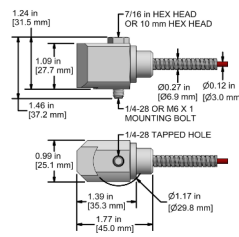


Stock Product

TA918-3C

Armored Integral Cable

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

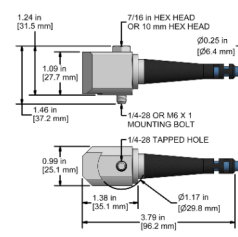


Built To Order

TA918-9C

Integral Cable

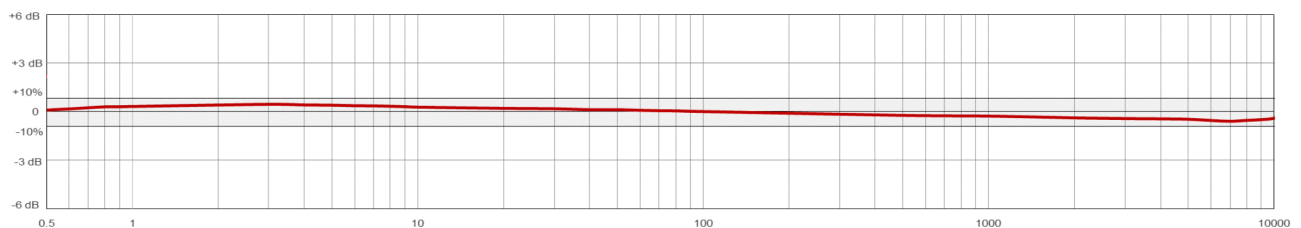
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
White	(+) Temperature Voltage
Shield	Cable Drain Wire



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Sensitivity (±10%)		100 mV/g	Environmental		
Frequency Response (±3dB)	30-600,000 CPM		Temperature Range	-40 to 250°F (-40 to 121°C)	
Dynamic Range		± 50 g, peak	Physical		
Electrical			Sensing Element		PZT Ceramic
Settling Time		<2.5 seconds	Sensing Structure		Shear Mode
Voltage Source (IEPE)		18-28 VDC	Weight	6.3 oz	180 grams
Constant Current Excitation		2-10 mA	Case Material		316L Stainless Steel
Spectral Noise @ 10 Hz		8 μg/√Hz	Mounting		M8x1.25
Spectral Noise @ 100 Hz		0.82 μg/√Hz	Connector (Non-Integral)		3 Pin MIL-C-5015
Spectral Noise @ 1000 Hz		0.3 μg/√Hz	Resonant Frequency	1,380,000 CPM	23000 Hz
Output Impedance		<100 ohm	Mounting Torque	2 to 5 ft. lbs	2,7 to 6,8 Nm
Bias Output Voltage		10-14 VDC	Mounting Hardware		M8 Captive Bolt
Case Isolation		>10 ⁸ ohm	Calibration Certificate		CA10

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

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