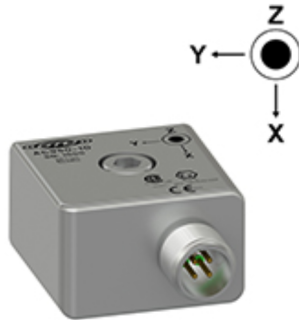


AC950 Series

Class I, Division 2 / Zone 2 Triaxial Accelerometer, Side Exit 4 Pin Mini-MIL Connector, 100 mV/g, ±10%



VIBRATION ANALYSIS HARDWARE



Regulatory Information

Ex nA IIC T3C Gc
 AEx nA IIC T3C Gc
 CLI Groups A, B, C, D
 CLII Groups E, F, G; CLIII
 CLI, Zone 2

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

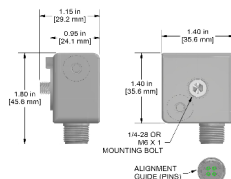
Sira 15ATEX2152X
 Ex nA IIC T3 Gc

Operating Temperature Code: T3C
 Ambient Temperature Range = -40 to 121°C

AC950-1D

4 Pin Connector

Connector Pin	Polarity
A (Axis Y)	(+) Signal/Power
B (Axis X)	(+) Signal/Power
C (Axis Z)	(+) Signal/Power
D	(-) Common

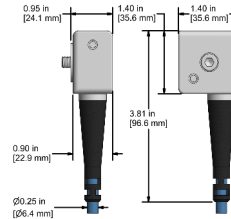


Stock Product

AC950-2D

Integral Cable

Conductor	Polarity
Red (Axis Y)	(+) Signal/Power
Green (Axis X)	(+) Signal/Power
White (Axis Z)	(+) Signal/Power
Black	(-) Common

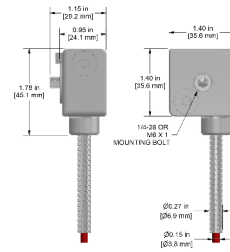


Built To Order

AC950-3D

Armored Integral Cable

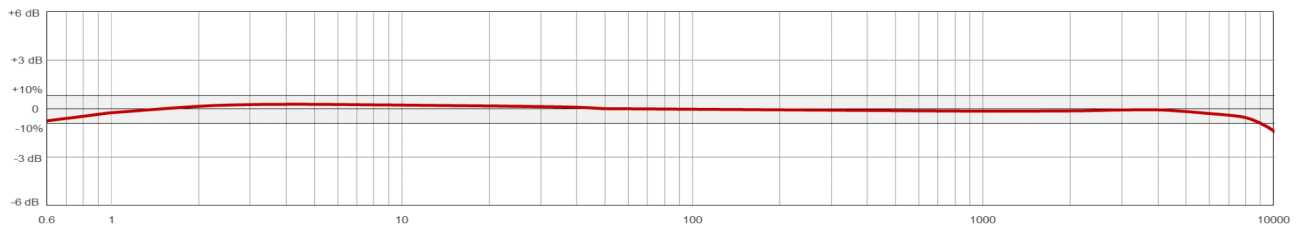
Conductor	Polarity
Red (Axis Y)	(+) Signal/Power
Green (Axis X)	(+) Signal/Power
White (Axis Z)	(+) Signal/Power
Black	(-) Common



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC950	M/AC950	Environmental		
Sensitivity (±10%)		100 mV/g	Temperature Range	-58 to 250°F	-54 to 121°C
Frequency Response (±3dB)	36-600,000 CPM	0.6-10000 Hz	Electromagnetic Sensitivity		CE
Frequency Response (±10%)	60-390,000 CPM	1.0-6500 Hz	Sealing		Welded, Hermetic
Frequency Response (±5%)	480-330,000 CPM	8.0-5500 Hz	Physical		
Dynamic Range		± 50 g, peak	Sensing Element		PZT Ceramic
Electrical			Sensing Structure		Shear Mode
Settling Time	<2.5 seconds		Weight	7.1 oz	200 grams
Voltage Source (IEPE)	18-28 VDC		Case Material		316L Stainless Steel
Constant Current Excitation	2-10 mA		Mounting		1/4-28
Spectral Noise @ 10 Hz	27 µg/√Hz		Connector (Non-Integral)		4 Pin mini-MIL, J Series Connectors
Spectral Noise @ 100 Hz	6.5 µg/√Hz		Mounting Torque	1 to 2 ft. lbs.	1.4 to 2.7 Nm
Spectral Noise @ 1000 Hz	2.5 µg/√Hz		Mounting Hardware	1/4-28 Captive Bolt	M6x1 Captive Bolt
Output Impedance	<100 ohm		Calibration Certificate		CA10
Bias Output Voltage	10-14 VDC				
Case Isolation	>10 ⁸ ohm				

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

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