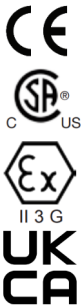


AC950 Series

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



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

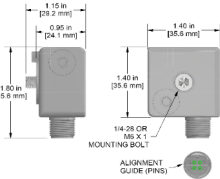
Ui = 28 Vdc Ii = 100 mA
Ci = 0µf Li = 51uH Pi =
100 mW
CSA 221421

Sira 15ATEX2152X
Ex nA IIC T3 Gc

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

AC950-1D
4 Pin Connector

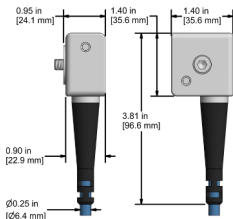
Connector Pin	Polarity
A (Axis Y)	(+) Signal/Power
B (Axis X)	(+) Signal/Power
C (Axis Z)	(+) Signal/Power
D	(-) Common



Stock Product

AC950-2D
Integral Cable

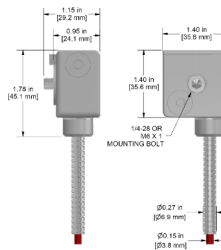
Conductor	Polarity
Red (Axis Y)	(+) Signal/Power
Green (Axis X)	(+) Signal/Power
White (Axis Z)	(+) Signal/Power
Black	(-) Common



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		Operating 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 Thread	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				
Spectral Noise @ 1000 Hz	2.5 µg/√Hz				
Output Impedance	<100 ohm		Mounting Torque	1 to 2 ft. lbs.	1,4 to 2,7 Nm
	10-14			1/4-28	M6x1