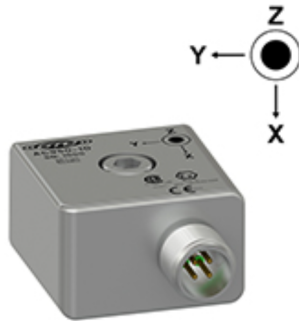
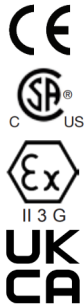


AC950 Series

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



VIBRATION ANALYSIS HARDWARE

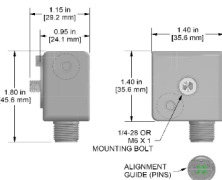


Regulatory Information

Ex nA IIC T3C Gc	Ui = 28 Vdc Ii = 100 mA
AEx nA IIC T3C Gc	Ci = 0µf Li = 51µH Pi =
CLI Groups A, B, C, D	100 mW
CLII Groups E, F, G; CLIII	CSA 221421
CLI, Zone 2	Sira 15ATEX2152X
Operating Temperature Code: T3C	Ex nA IIC T3 Gc
Ambient Temperature Range =	-40 to 121°C

AC950-1D 4 Pin Connector

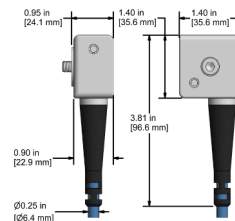
Connector Pin	Polarity
A (Axis Y)	(+) Signal/Power
B (Axis X)	(+) Signal/Power
C (Axis Z)	(+) Signal/Power
D	(-) Common



Stock Product

AC950-2D Integral Cable

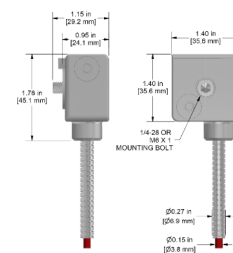
Conductor	Polarity
Red (Axis Y)	(+) Signal/Power
Green (Axis X)	(+) Signal/Power
White (Axis Z)	(+) Signal/Power
Black	(-) Common



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	0,6-100000 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	Mounting Torque	1 to 2 ft. lbs.	1,4 to 2,7 Nm
Spectral Noise @ 1000 Hz		2.5 µg/√Hz		1/4-28	M6x1
Output Impedance		<100 ohm			