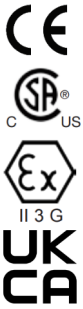


AC950 Series



VIBRATION ANALYSIS HARDWARE

Nonincendive, CSA North America Class I, Division 2 Approved
Triaxial Accelerometer, Side Exit 4 Pin Mini-MIL Connector, 100
mV/g, ±10%



Product Features

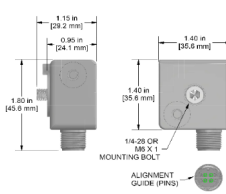
CSA North America Class I, Division 2, Groups A, B, C and D; Class II, Division 1, Groups E, F and G; Class III

- ▶ NOTE: Class I, Division 2 / Ex nA IIC when installed using an approved Zone 2 / Division 2 rated cable in accordance with the CEC or the NEC.
- ▶ Suggested Approved Cabling: CB192 or CB298 Cable and JQ4A or JQ4N Connectors

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

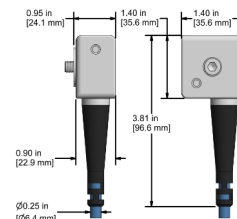


Stock Product

AC950-2D

Integral Cable

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

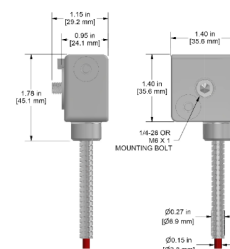


Built To Order

AC950-3D

Armored Integral Cable

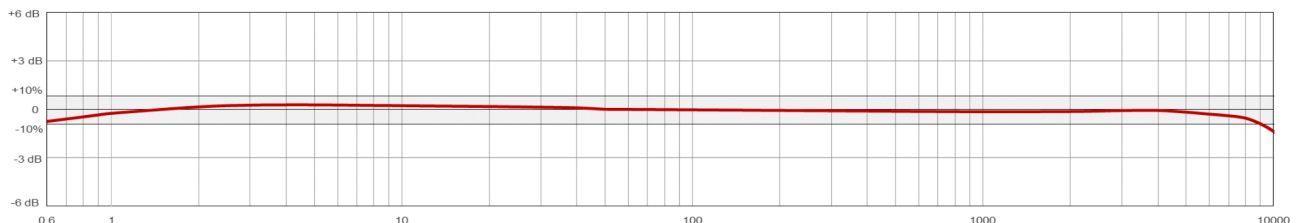
Conductor	Polarity
Red (Axis Y)	(+) Signal/Power
Green (Axis X)	(+) Signal/Power
White (Axis Z)	(+) Signal/Power
Black	(-) Common



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
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	7.1 oz	200 grams
Constant Current Excitation		2-10 mA	Case Material		316L Stainless Steel
Spectral Noise @ 10 Hz		27 µg/√Hz	Mounting Thread		1/4-28
Spectral Noise @ 100 Hz		6.5 µg/√Hz	Connector (Non-Integral)		4 Pin mini-MIL, J Series Connectors
Spectral Noise @ 1000 Hz		2.5 µg/√Hz	Mounting Torque	1 to 2 ft. lbs.	1.4 to 2.7 Nm
Output Impedance		<100 ohm	Mounting Hardware Supplied	1/4-28 Captive Bolt	M6x1 Captive Bolt
Bias Output Voltage		10-14 VDC	Calibration Certificate		CA10
Case Isolation		>10 ⁸ ohm			

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty & Free Annual Recalibration Service

www.ctconline.com | sales@ctconline.com | 585-924-5900