

AC950 Series

Nonincendive, CSA North America Class I, Div 2, Class II, Div 1, Class III and ATEX/IECEx Zone 2,22 Approved Triaxial Accelerometer, Side Exit 4 Pin Mini-MIL Connector, 100 mV/g, $\pm 10\%$



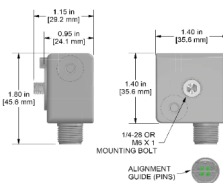
Regulatory Information

CSA 221421	Ex ec IIC T*°C Gc
CSA 25CA80263368X	Ex tc IIIC T135°C Dc
CLI, DIV 2, GRP A, B, C and D T3/T4	T4, T135°C for ambient
CLII, DIV 1, GRP E, F and G T135°C	temperature range of -40°C to +80°C
CLIII	T3 for ambient temperature range of -40°C to +121°C
Ex ec IIC T*°C Gc	*Temperature Class depends on the ambient temperature
Ex tc IIIC T135°C Dc	Vmax=28VDC Imax=10mA
CLI, ZN 2, AEx ec IIC T*°C Gc	Install per INS10208
ZN 22, AEx tc IIIB T135°C Dc	Reference Product Manual MNX10132
*Temperature Class depends on the ambient temperature	
T4, T135°C for ambient temperature range of -40°C to +80°C	
T3 for ambient temperature range of -40°C to +121°C	
Vmax = 28VDC Imax = 10mA	
Reference Product Manual MNX10128 / Install Per INS10191	
Approved Cabling: CB192*, CB218, CB298	
(*Approved for Use in T4 Applications Only)	
IECEx CSA 24.0015X	
	CSACa 24 ATEX1004X
	Ex ec IIC T*°C Gc
	Ex tc IIIC T135°C Dc
	T4, T135°C for ambient
	temperature range of -40°C to +80°C
	T3 for ambient temperature range of -40°C to +121°C
	*Temperature Class depends on the ambient temperature
	Vmax=28VDC Imax=10mA
	Install per INS10209
	Reference Product Manual MNX10133

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

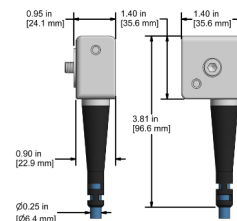


Stock Product

AC950-2D

CB192 Integral Cable

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

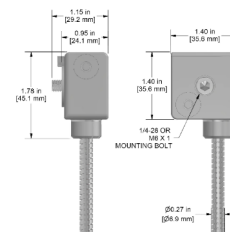


Built To Order

AC950-3D

CB298 Armored Integral Cable

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



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC950	M/AC950	Environmental		
Sensitivity ($\pm 10\%$)		100 mV/g	Operating Temperature Range	-58 to 250 °F	-54 to 121 °C
Frequency Response ($\pm 3\text{dB}$)	36-600,000 CPM	0.6-10000 Hz	Electromagnetic Sensitivity		CE
Frequency Response ($\pm 10\%$)	60-390,000 CPM	1.0-6500 Hz	Sealing		Welded, Hermetic
Dynamic Range		± 50 g, peak	Physical		
Transverse Sensitivity		$\leq 5\%$	Sensing Element		PZT Ceramic
Electrical			Sensing Structure		Shear Mode
Settling Time	<2.5 seconds		Weight	7.1 oz	200 grams
Voltage Source	18-28 VDC		Case Material		316L Stainless Steel
Constant Current Excitation	2-10 mA		Mounting Thread		1/4-28
Spectral Noise @ 10 Hz	27 $\mu\text{g}/\sqrt{\text{Hz}}$		Connector (Non-Integral)		4 Pin mini-MIL, J Series Connectors
Spectral Noise @ 100 Hz	6.5 $\mu\text{g}/\sqrt{\text{Hz}}$		Mounting Torque	1 to 2 ft. lbs.	1.4 to 2.7 Nm
Spectral Noise @ 1000 Hz	2.5 $\mu\text{g}/\sqrt{\text{Hz}}$		Mounting Hardware Supplied	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

