



AC980 Series

Intrinsically Safe Triaxial Accelerometer, Side Exit 4 Pin Mini-MIL Connector, 100 mV/g, ±10%



IECEX
IECEX SIR 15.0060X



Regulatory Information

Ex ia IIC T3/T4 Ga

CSA 22 UKEX 1408X

AEx ia IIC T3/T4 Ga

Ex ia IIC T3/T4 Ga

CLI Groups A, B, C, D

Ex ia I Ma

CLII Groups E, F, G; CLIII

Sira 15ATEX2152X

CLI, Zone 0

Ex ia IIC T3 Ga

Operating Temperature Code: T4

Ex ia I Ma

Ambient Temperature Range =

-40 to 80°C

Operating Temperature Code: T3

Ex ia IIC T3 Ga

Ambient Temperature Range =

-40 to 121°C

Control Drawing INS10012

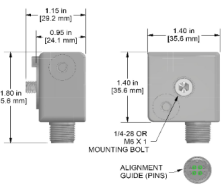
Ui = 28 Vdc li = 112 mA

Pi = 1W, Ci = 63.036nF, Li = 0μH

CSA 221421

AC980-1D 4 Pin Connector

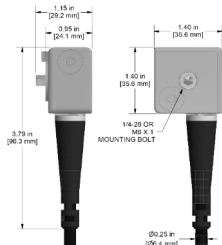
Connector	Polarity
Pin	
A (Axis Y)	(+) Signal/Power
B (Axis X)	(+) Signal/Power
C (Axis Z)	(+) Signal/Power
D	(-) Common



Stock Product

AC980-2D CB192 Integral Cable

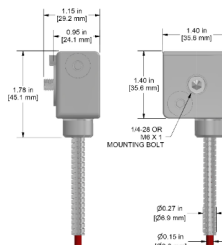
Conductor	Polarity
Red (Axis Y)	(+) Signal/Power
Green (Axis X)	(+) Signal/Power
White (Axis Z)	(+) Signal/Power
Black	(-) Common



Built To Order

AC980-3D CB218 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	AC980	M/AC980	Environmental		
Sensitivity (±10%)	100 mV/g		Operating Temperature Range	-65 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		Sealing	Welded, Hermetic	
Dynamic Range	± 50 g, peak		Physical		
Electrical			Sensing Element	PZT Ceramic	
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 Captive Bolt	
Spectral Noise @ 10 Hz	27 µg/√Hz		Connector (Non-Integral)	4 Pin J Connector	
Spectral Noise @ 100 Hz	6.5 µg/√Hz				
Spectral Noise @ 1000 Hz	2.5 µg/√Hz				