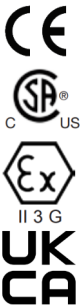


AC940 Series

Miniature Industrial, Class I, Division 2 / Zone 2 Accelerometer, Top Exit 2 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 li = 100 mA

Ci = 0µf Li = 51uH Pi =

100 mW

CSA 221421

Sira 15ATEX2152X

Operating Temperature Code: Ex nA IIC T3 Gc

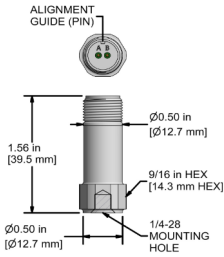
T3C

Ambient Temperature Range =

-40 to 121°C

AC940-1D
2 Pin Connector

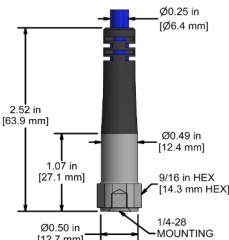
Connector	Polarity
Pin	
A	(+)
	Signal/Power
B	(-) Common



Stock Product

AC940-2D
CB190 Integral Cable

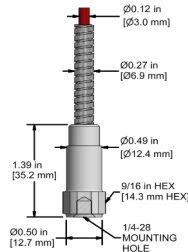
Conductor	Polarity
Red	(+)
	Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

AC940-3D
CB296 Armored Integral Cable

Conductor	Polarity
Red	(+)
	Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC940	M/ or M8/AC940	Environmental		
Sensitivity (±10%)	100 mV/g		Operating Temperature Range	-58 to 250 °F	50 to 121 °C
Frequency Response (±3dB)	36-900,000 CPM	0,6-15000 Hz	Maximum Shock Protection	5,000 g, peak	
Frequency Response (±10%)	60-420,000 CPM	1,0-7000 Hz	Electromagnetic Sensitivity	CE	
Dynamic Range	± 50 g, peak		Sealing	Welded, Hermetic	
Electrical			Physical		
Settling Time	<2.5 seconds		Sensing Element	PZT Ceramic	
Voltage Source (IEPE)	18-28 VDC		Sensing Structure	Shear Mode	
Constant Current Excitation	2-10 mA		Weight	0.7 oz	20 grams
Spectral Noise @ 10 Hz	30 µg/√Hz		Case Material	316L Stainless Steel	
Spectral Noise @ 100 Hz	4 µg/√Hz		Mounting Thread	1/4-28 Blind Tapped Hole	
Spectral Noise @ 1000 Hz	2 µg/√Hz		Connector (Non-Integral)	2 Pin mini-MIL, J Series	
Output Impedance	<100 ohm		Resonant Frequency	2,040,000 CPM	34000 Hz
Bias Output Voltage	10-14 VDC				
Case Isolation	>10 ⁸ ohm				