Class I, Division 2/Zone 2 Accelerometer, For Use In "Non-Arcing, Non-Sparking" Environments, Biaxial Accelerometer, Connector/Cable, 100 mV/g

CSA/ATEX Approved

> Actual Product Size Shown



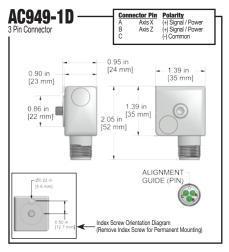
Must Use "Class I, Division 2" CB191 or CB212 Cable and D3Q Connector

REGULATORY INFORMATION

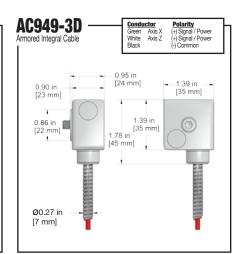
Ex nA IIC T3C Gc AEx nA IIC T3C Gc CLI Groups A, B, C, D CLII Groups E, F, G; CLIII CLI, Zone 2 Operating Temperature Code: T3C Ambient Temperature Range = -40°C to +121°C Ui = 28 Vdc li = 100 mA CSA 221421

Sira 15ATEX2152X Ex nA IIc T3 Ga









Specifications	Standard	Metric		
Part Number	AC949	M/AC949		
Vibration				
Sensitivity (±10%)	100 mV/g			
Frequency Response (±3dB)	60-390,000 CPM	1,0-6500 Hz		
Dynamic Range	± 50 g, peak			
Electrical				
Settling Time	<2.5 seconds			
Voltage Source (IEPE)	18-28 VDC			
Constant Current Excitation	2-10 mA			
Spectral Noise @ 10 Hz	27 μg/√Hz			
Spectral Noise @ 100 Hz	6.5 μg/√Hz			
Spectral Noise @ 1000 Hz	2.5 μg/√Hz			
Output Impedance	<100 o	hm		
Bias Output Voltage	10-14 VDC			
Case Isolation	>10 ⁸ ohm			

Specifications	Standard	Metric		
<u>Environmental</u>				
Temperature Range	-58 to 250°F	-50 to 121°C		
Electromagnetic Sensitivity	CE			
Sealing	Welded, Hermetic			
<u>Physical</u>				
Sensing Element	PZT Ceramic			
Sensing Structure	Shear Mode			
Weight	6.9 oz	195 grams		
Case Material	316L Stainless Steel			
Mounting	1/4-28			
Connector (AC949-1D) Integral Cable (AC949-2D) Armored Cable (AC949-3D)	3 Pin MIL-C-5015 Blue TPE Cable Armor Jacketed Cable			
Mounting Torque	1 to 2 ft. lbs.	1,4 to 2,7 Nm		
Mounting Hardware	1/4-28 Captive Bolt	M6x1 Captive Bolt		
Indexing Screw	Provided for consistent axis orientation, may be removed in permanent installations			
Calibration Certificate	CA10			

Ordering Information

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Standard	AC949-1D (1/4-28 Captive Bolt) Stock Product	AC949-2D / (1/4-28 Captive Bolt) Build To Order	(length in feet) (termination)	AC949-3D / (1/4-28 Captive Bolt) Build To Order	(maximum armor length 100 ft.)	(cable length in feet)	(termination)
Metric	M/AC949-1D (M6x1 Captive Bolt)	M/AC949-2D / (M6x1 Captive Bolt) Build To Order	(length in feet) (termination M - (length in meters)	Build To Order	/ (maximum armor length 100 ft.) M (maximum armor length 30 m)	(cable length in feet) / M (cable length in meters)	(termination)

CTC multi-conductor cable

Green = X axis

White = Z axis

Black = Common



Cable Terminations: L — Z —

