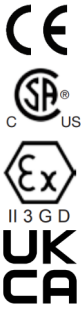


AC934 Series



Nonincendive, CSA North America Class I, Division 2 and ATEX Zone 2 Approved Accelerometer, Side Exit 2 Pin Connector, 50 mV/g, ±10%

VIBRATION ANALYSIS HARDWARE



Product Features

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

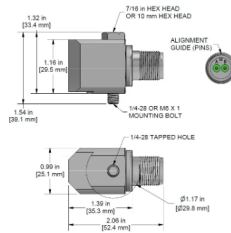
ATEX EU Zone 2 Approved

▶ 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: CB190 or CB296 Cable and Q2A or Q2N Connectors

AC934-1A 2 Pin Connector

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

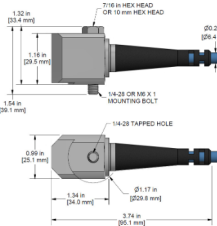


Stock Product

AC934-2C

CB190 Integral Cable

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

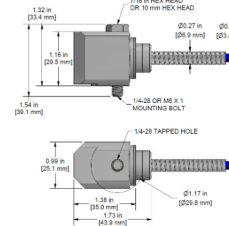


Built To Order

AC934-3C

CB296 Armored Integral Cable

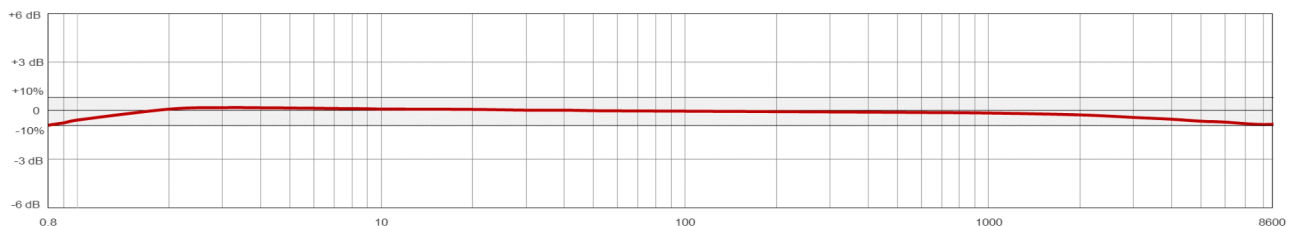
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC934	M/AC934	<u>Environmental</u>		
Sensitivity (±10%)		50 mV/g	Operating Temperature Range	-40 to 250°F	-40 to 121°C
Frequency Response (±3dB)	48-516,000 CPM	0.8-8600 Hz	Maximum Shock Protection		5,000 g, peak
Frequency Response (±10%)	90-300,000 CPM	1.5-5000 Hz	Electromagnetic Sensitivity		CE
Dynamic Range		± 100 g, peak	Sealing		IP68
<u>Electrical</u>			Submersible Depth	200 ft.	91 m
Settling Time	<3 Seconds		SIL Rating		SIL 2
Voltage Source (IEPE)	18-28 VDC		<u>Physical</u>		
Constant Current Excitation	2-10 mA		Sensing Element		PZT Ceramic
Spectral Noise @ 10 Hz	35 µg/√Hz		Sensing Structure		Shear Mode
Spectral Noise @ 100 Hz	25 µg/√Hz		Weight	5.3 oz	151 grams
Spectral Noise @ 1000 Hz	25 µg/√Hz		Case Material		316L Stainless Steel
Output Impedance	<100 ohm		Mounting Thread		1/4-28
Bias Output Voltage	10-14 VDC		Connector (Non-Integral)		2 Pin MIL-C-5015
Case Isolation	>10 ⁸ ohm		Resonant Frequency	1,260,000 CPM	21000 Hz
			Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
			Mounting Hardware Supplied	1/4-28 Captive Bolt	M6x1 Captive Bolt
			Calibration Certificate		CA10

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty & Free Annual Recalibration Service

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