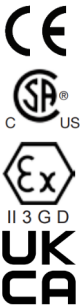


AC935 Series

Low Capacitance, Class I, Division 2 / Zone 2 Accelerometer, Top Exit 2 Pin Connector, 100 mV/g, ±10%



Regulatory Information

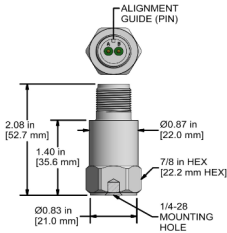
Ex nA IIC T3/T4
AEx nA IIC T3/T4
CLI Groups A, B, C, D
CLII Groups F, G
CLIII

Ui = 28 Vdc li = 100 mA
CSA 221421
KEMA 04ATEX1066
Ex nA II T3 or T4

Operating Temperature Code: T3
Ambient Temperature Range =
-40 to 125°C
Operating Temperature Code: T4
Ambient Temperature Range =
-40 to 80°C

AC935-1A
2 Pin Connector

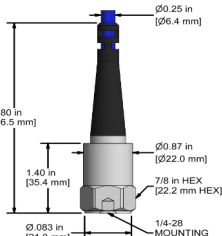
Connector	Polarity
Pin	
A	(+)
B	Signal/Power
	(-) Common



Stock Product

AC935-2C
CB190 Integral Cable

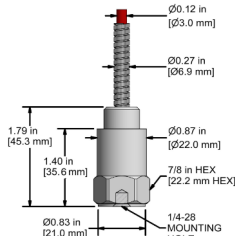
Conductor	Polarity
Red	(+)
Black	Signal/Power
	(-) Common
Shield	Cable Drain
	Wire



Built To Order

AC935-3C
CB296 Armored Integral Cable

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



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC935	M/ or M8/AC935	Environmental		
Sensitivity (±10%)	100 mV/g		Operating Temperature Range	-40 to 250 °F	-40 to 121 °C
Frequency Response (±3dB)	30-900,000 CPM	0.5-15000 Hz	Maximum Shock Protection	5,000 g, peak	
Frequency Response (±10%)	60-600,000 CPM	1.0-10000 Hz	Electromagnetic Sensitivity	CE	
Dynamic Range	± 80 g, peak		Sealing	Welded, Hermetic	
Electrical			Physical		
Settling Time	<3.5 Seconds		Sensing Element	PZT Ceramic	
Voltage Source (IEPE)	18-28 VDC		Sensing Structure	Shear Mode	
Constant Current Excitation	2-10 mA		Weight	3.2 oz	91 grams
Spectral Noise @ 10 Hz	30 µg/√Hz		Case Material	316L Stainless Steel	
Spectral Noise @ 100 Hz	19 µg/√Hz			0.83 in (21 mm) Diameter	
Spectral Noise @ 1000 Hz	15 µg/√Hz			Mounting Base with 1/4-28 Blind Tapped	
Output Impedance	<100 ohm				
Bias Output Voltage	10-14 VDC				
Case Isolation	>10 ⁸ ohm				