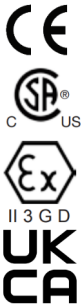


# AC935 Series

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



VIBRATION ANALYSIS HARDWARE



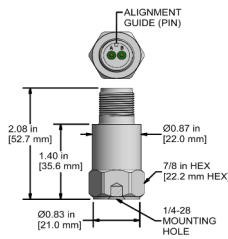
## Regulatory Information

Ex nA IIC T3/T4	Ui = 28 Vdc li = 100 mA
AEx nA IIC T3/T4	CSA 221421
CLI Groups A, B, C, D	
CLII Groups F, G	KEMA 04ATEX1066
CLIII	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

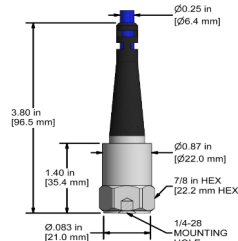
Connector Pin	Polarity
A	(+) Signal/Power
B	(-) Common



Stock Product

### AC935-2C CB190 Integral Cable

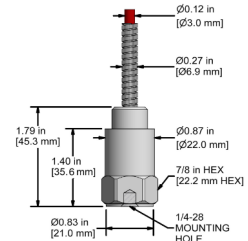
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

### AC935-3C 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	AC935	M/ or M8/AC935	<b>Environmental</b>			
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		
<b>Electrical</b>			<b>Physical</b>			
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		Mounting Thread	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 <sup>8</sup> ohm					