



## AC115 Series

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Low Cost Triaxial Accelerometer, Side Exit 4 Pin Mini-MIL Connector, 100 mV/g, ±15%



VIBRATION ANALYSIS HARDWARE

Y---Z X X

## Product Features

Collect 3 Channels of Data Simultaneously for Faster Data Collection

- Cost Effective, Rugged Triaxial Sensor Ideally Suited for a Wide Variety of Industrial Applications
- Compatible with CTC J Series Mini-MIL Connectors

AC115-1D 4 Pin Mini-MIL Connector		AC115-2D CB105 Integral Cable		le	AC115-3D CB218 Armored Integral Cable			
Connector Pin Polarity   A (Axis Y/3) (+)   A (Axis Y/3) Signal/Pov   B (Axis X/2) (+)   Signal/Pov (+)   C (Axis Z/1) (+)   D (-)   D Common/C   Image: Signal point of the second sec	ver Ver ∋rid		(+) Sigr 5 (+) Sigr (+) Sigr (-) Con	arity nal/Power nal/Power nal/Power nal/Power	Conductor Red (Axis Y/3) Green (Axis X/2) White (Axis Z/1) Black		ower over o/Grid	
Stock Product			luilt To		Bu	iilt To Orde	r	
Specifications Part Number	Standard AC115		Metric	Specifications Environmental		Standard		Metr
Sensitivity (±15%)	ACIIJ	100 mV/g	ACII		_	-58 to		-50 t
	0-390,000		)-6500	Operating Tempe	erature Range	250°F		121°C
requency response (±30D)	СРМ		Hz	Electromagnetic	: Sensitivity		CE	
ynamic Range		± 50 g, peak *Vsource ≥		Sealing			Welded, Hermetic	
ynanne Kange		22V, 12Vbias		Submersible De	pth	200 ft.	Hermette	60 n
1. A				SIL Rating			SIL 2	
<u>ectrical</u>								
<u>ectrical</u> Settling Time		<2.5		<u>Physical</u>				
settling Time		seconds			t		PZT	
ettling Time oltage Source (IEPE)		seconds 18-30 VDC		<u>Physical</u> Sensing Elemen	t		Ceramic	
ettling Time oltage Source (IEPE) onstant Current Excitation		seconds 18-30 VDC 2-10 mA					Ceramic Shear	
ettling Time oltage Source (IEPE) onstant Current Excitation pectral Noise @ 10 Hz		seconds 18-30 VDC 2-10 mA 27 µg/√Hz		Sensing Elemen Sensing Structu			Ceramic	200
ettling Time oltage Source (IEPE) onstant Current Excitation pectral Noise @ 10 Hz pectral Noise @ 100 Hz		seconds 18-30 VDC 2-10 mA 27 µg/√Hz 6.5 µg/√Hz		Sensing Elemen		7.1 oz	Ceramic Shear	
ettling Time oltage Source (IEPE) onstant Current Excitation pectral Noise @ 10 Hz pectral Noise @ 100 Hz pectral Noise @ 1000 Hz		seconds 18-30 VDC 2-10 mA 27 µg/√Hz		Sensing Elemen Sensing Structu		7.1 oz	Ceramic Shear	
ettling Time oltage Source (IEPE) onstant Current Excitation pectral Noise @ 10 Hz pectral Noise @ 1000 Hz pectral Noise @ 1000 Hz utput Impedance		seconds 18-30 VDC 2-10 mA 27 µg/√Hz 6.5 µg/√Hz 2.5 µg/√Hz		Sensing Elemen Sensing Structu		7.1 oz	Ceramic Shear Mode	200 gram
ettling Time oltage Source (IEPE) onstant Current Excitation pectral Noise @ 10 Hz pectral Noise @ 1000 Hz utput Impedance ias Output Voltage		seconds 18-30 VDC 2-10 mA 27 µg/√Hz 6.5 µg/√Hz 2.5 µg/√Hz <100 ohm		Sensing Elemen Sensing Structur Weight		7.1 oz	Ceramic Shear Mode 316L	
ectrical Settling Time Voltage Source (IEPE) Sonstant Current Excitation Spectral Noise @ 10 Hz Spectral Noise @ 1000 Hz Spectral Noise @ 1000 Hz Output Impedance Bias Output Voltage Sase Isolation		seconds 18-30 VDC 2-10 mA 27 µg/√Hz 6.5 µg/√Hz 2.5 µg/√Hz <100 ohm 10-14 VDC		Sensing Elemen Sensing Structur Weight	re	7.1 oz	Ceramic Shear Mode 316L Stainless	

Resonant Frequency CPM Hz