AC102 Series

Multi-Purpose Accelerometer, Top Exit Connector / Cable, 100 mV/g

CLICK TO ACTIVATE 3D IMAGE



Actual Product Size Shown

CE

Product Features

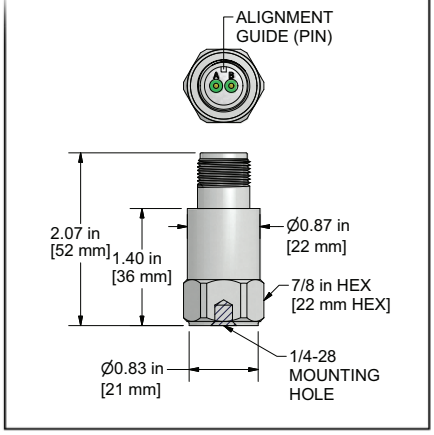
CTC's Most Popular Sensor!

High Performance in a Low Cost Sensor

- *Standard 2 Pin MIL Connection*
- *Perfect for Thousands of Applications*
- *Affordably Priced, Hermetically Sealed Sensors*

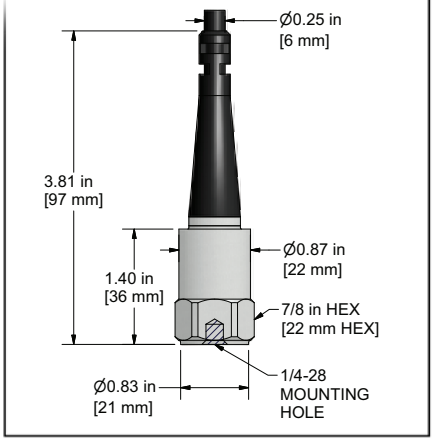
AC102-1A
2 Pin Connector

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



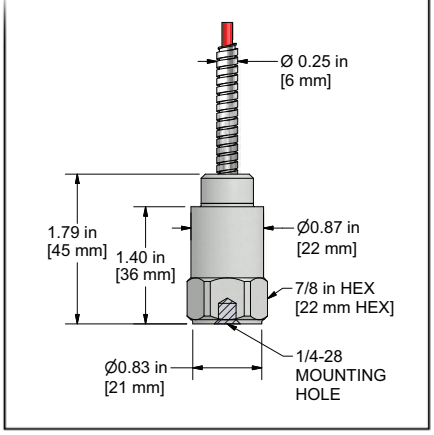
AC102-2C
Integral Cable

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



AC102-3C
Armored Integral Cable

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



Specifications	Standard	Metric
Part Number	AC102	M/AC102
Sensitivity (±10%)	100 mV/g	
Frequency Response (±3dB)	30-900,000 CPM	0,5-15000 Hz
Frequency Response (±10%)	120-600,000 CPM	2,0-10000 Hz
Dynamic Range	± 50 g, peak	
Electrical		
Settling Time	<2.5 seconds	
Voltage Source	18-30 VDC	
Constant Current Excitation	2-10 mA	
Spectral Noise @ 10 Hz	14 µg/√Hz	
Spectral Noise @ 100 Hz	2.3 µg/√Hz	
Spectral Noise @ 1000 Hz	2 µg/√Hz	
Output Impedance	<100 ohm	
Bias Output Voltage	10-14 VDC	
Case Isolation	>10^8 ohm	

Specifications	Standard	Metric
Environmental		
Temperature Range	-58 to 250°F	-50 to 121°C
Maximum Shock Protection	5,000 g, peak	
Electromagnetic Sensitivity	CE	
Sealing	Welded, Hermetic	
Submersible Depth (AC102-2C)	500 ft.	152 m
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	3.2 oz	90 grams
Case Material	316L Stainless Steel	
Mounting	1/4-28	
Connector (non-integral)	2 Pin MIL-C-5015	
Resonant Frequency	1,380,000 CPM	23000 Hz
Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Mounting Hardware	1/4-28 Stud	M6x1 Adapter Stud
Calibration Certificate	CA10	

Ordering Information

Standard	AC102-1A (1/4-28 Stud)	AC102-2C - / ☐☐☐ - ☐ (length in feet) (termination)	AC102-3C - / ☐☐☐ / ☐☐☐ - ☐ (1/4-28 Stud) (armor length in feet) (cable length in feet) (termination)
Metric	M/AC102-1A (M6x1 Adapter Stud)	M/AC102-2C - / ☐☐☐ - ☐ (M6x1 Adapter Stud) (length in feet) (termination) ☐☐☐M - ☐ (length in meters) (termination)	M/AC102-3C - / ☐☐☐ / ☐☐☐ - ☐ (M6x1 Adapter Stud) (armor length in feet) (cable length in feet) (termination) ☐☐☐M / ☐☐☐M - ☐ (armor length in meters) (cable length in meters) (termination)

Cable Termination Options: E  F  Z 

Backed by our Unconditional Lifetime Warranty

www.ctconline.com

CTC
VIBRATION ANALYSIS HARDWARE

AC104 Series

Multi-Purpose Accelerometer, Side Exit Connector / Cable, 100 mV/g

CLICK TO ACTIVATE 3D IMAGE



Actual Product Size Shown

CE

Product Features

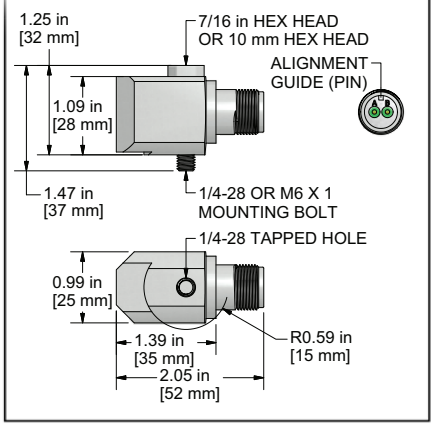
CTC's Most Popular Side Exit Sensor!

High Performance in a Low Cost Sensor

- *Standard 2 Pin MIL Connection*
- *Perfect for Thousands of Applications*
- *Affordably Priced, Hermetically Sealed Sensors*

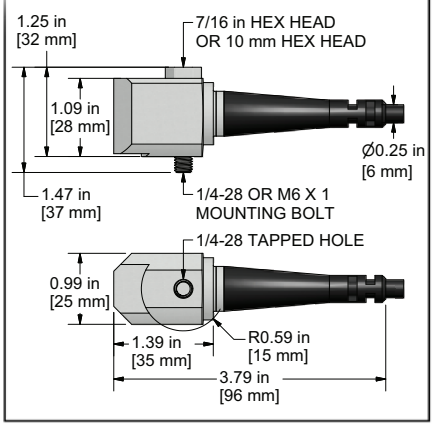
AC104-1A
2 Pin Connector

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



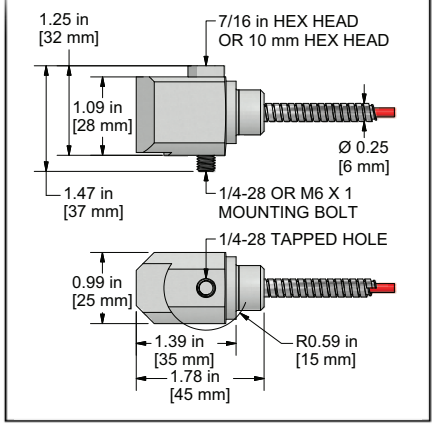
AC104-2C
Integral Cable

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



AC104-3C
Armored Integral Cable

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



Specifications	Standard	Metric
Part Number	AC104	M/AC104
Sensitivity (±10%)	100 mV/g	
Frequency Response (±3dB)	30-600,000 CPM	0,5-10000 Hz
Frequency Response (±10%)	120-420,000 CPM	2,0-7000 Hz
Dynamic Range	± 50 g, peak	
Electrical		
Settling Time	<2.5 seconds	
Voltage Source	18-30 VDC	
Constant Current Excitation	2-10 mA	
Spectral Noise @ 10 Hz	14 µg/√Hz	
Spectral Noise @ 100 Hz	2.3 µg/√Hz	
Spectral Noise @ 1000 Hz	2 µg/√Hz	
Output Impedance	<100 ohm	
Bias Output Voltage	10-14 VDC	
Case Isolation	$>10^8$ ohm	

Specifications	Standard	Metric
Environmental		
Temperature Range	-58 to 250°F	-50 to 121°C
Maximum Shock Protection	5,000 g, peak	
Electromagnetic Sensitivity	CE	
Sealing	Welded, Hermetic	
Submersible Depth (AC104-2C)	500 ft.	152 m
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	5.1 oz	145 grams
Case Material	316L Stainless Steel	
Mounting	1/4-28	
Connector (non-integral)	2 Pin MIL-C-5015	
Resonant Frequency	1,320,000 CPM	22000 Hz
Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Mounting Hardware	1/4-28 Captive Bolt	M6x1 Captive Bolt
Calibration Certificate	CA10	

Ordering Information

Standard	AC104-1A (1/4-28 Captive Bolt)	AC104-2C - / [ ][ ][ ] - [ ] (1/4-28 Captive Bolt) (length in feet) (termination)	AC104-3C - / [ ][ ][ ] / [ ][ ][ ] - [ ] (1/4-28 Captive Bolt) (armor length in feet) (cable length in feet) (termination)
Metric	M/AC104-1A (M6x1 Captive Bolt)	M/AC104-2C - / [ ][ ][ ] - [ ] (M6x1 Captive Bolt) (length in feet) (termination) [ ][ ][ ] M - [ ] (length in meters) (termination)	M/AC104-3C - / [ ][ ][ ] / [ ][ ][ ] - [ ] (M6x1 Captive Bolt) (armor length in feet) (cable length in feet) (termination) [ ][ ][ ] M / [ ][ ][ ] M - [ ] (armor length in meters) (cable length in meters) (termination)

Cable Termination Options: E  F  Z 

AC117 Series

Multi-Purpose Accelerometer, Top Exit Connector / Cable, 50 mV/g

CLICK TO ACTIVATE 3D IMAGE



Actual Product Size Shown

CE

Product Features

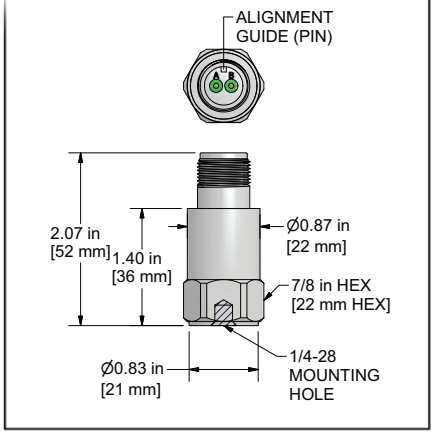
50 mV/g General Purpose Sensor

Excellent for Higher g Applications

- *±100 g, Dynamic Range*
- *50 mV/g, ±10% Sensitivity*
- *1,0-12500 Hz (60-750,000 CPM)*

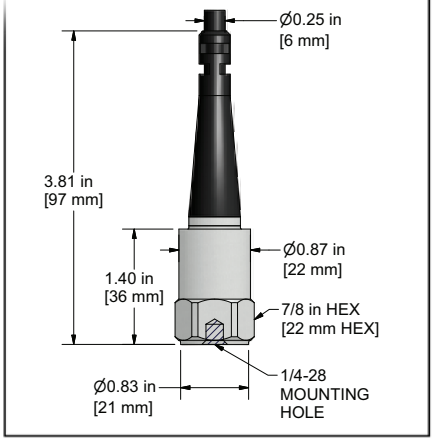
AC117-1A
2 Pin Connector

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



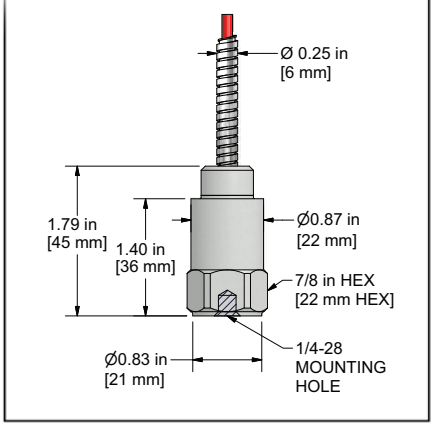
AC117-2C
Integral Cable

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



AC117-3C
Armored Integral Cable

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



Specifications	Standard	Metric
Part Number	AC117	M/AC117
Sensitivity (±10%)	50 mV/g	
Frequency Response (±3dB)	60-750,000 CPM	1,0-12500 Hz
Frequency Response (±10%)	240-540,000 CPM	4,0-9000 Hz
Dynamic Range	± 100 g, peak	
Electrical		
Settling Time	<2 Seconds	
Voltage Source	18-30 VDC	
Constant Current Excitation	2-10 mA	
Spectral Noise @ 10 Hz	8 µg/√Hz	
Spectral Noise @ 100 Hz	2.5 µg/√Hz	
Spectral Noise @ 1000 Hz	1.7 µg/√Hz	
Output Impedance	<100 ohm	
Bias Output Voltage	10-14 VDC	
Case Isolation	>10^8 ohm	

Specifications	Standard	Metric
Environmental		
Temperature Range	-58 to 250° F	-50 to 121°C
Maximum Shock Protection	5,000 g, peak	
Electromagnetic Sensitivity	CE	
Sealing	Welded, Hermetic	
Submersible Depth (AC117-2C)	500 ft.	152 m
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	3.2 oz	90 grams
Case Material	316L Stainless Steel	
Mounting	1/4-28	
Connector (non-integral)	2 Pin MIL-C-5015	
Resonant Frequency	1,380,000 CPM	23000 Hz
Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Mounting Hardware	1/4-28 Stud	M6x1 Adapter Stud
Calibration Certificate	CA10	

Ordering Information

Standard	AC117-1A (1/4-28 Stud)	AC117-2C - / [ ][ ][ ] - [ ] (1/4-28 Stud) (length in feet) (termination)	AC117-3C - / [ ][ ][ ] / [ ][ ][ ] - [ ] (1/4-28 Stud) (armor length in feet) (cable length in feet) (termination)
Metric	M/AC117-1A (M6x1 Adapter Stud)	M/AC117-2C - / [ ][ ][ ] - [ ] (M6x1 Adapter Stud) (length in feet) (termination) [ ][ ][ ] M - [ ] (length in meters) (termination)	M/AC117-3C - / [ ][ ][ ] / [ ][ ][ ] - [ ] (M6x1 Adapter Stud) (armor length in feet) (cable length in feet) (termination) [ ][ ][ ] M / [ ][ ][ ] M - [ ] (armor length in meters) (cable length in meters) (termination)

Cable Termination Options: E  F  Z 

AC135 Series

Low Frequency Accelerometer, Top Exit Connector / Cable, 500 mV/g

CLICK TO ACTIVATE 3D IMAGE



Actual Product Size Shown

CE

Product Features

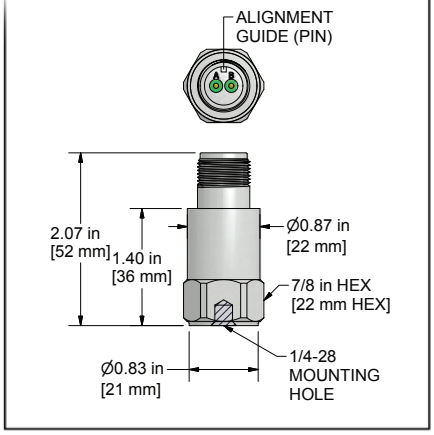
Low Frequency / Slow Speed Sensor

0,2 - 3000 Hz (12-180000 CPM)

- *500 mV/g Sensitivity, ±10% Sensitivity*
- *Standard 2 Pin MIL Connection*
- *±10 g, Dynamic Range*

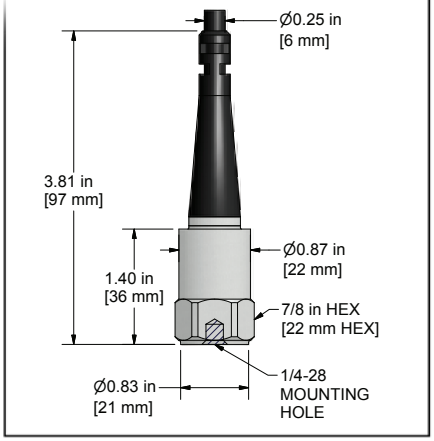
AC135-1A
2 Pin Connector

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



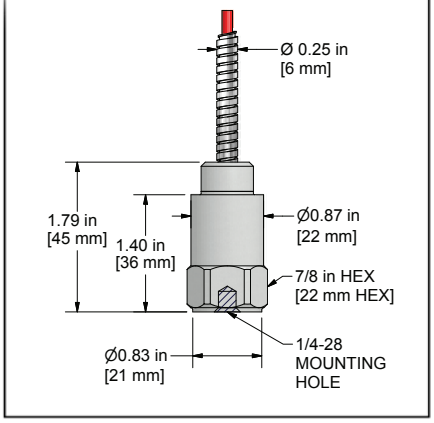
AC135-2C
Integral Cable

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



AC135-3C
Armored Integral Cable

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



Specifications	Standard	Metric
Part Number	AC135	M/AC135
Sensitivity (±10%)	500 mV/g	
Frequency Response (±3dB)	12-180,000 CPM	0,2-3000 Hz
Frequency Response (±10%)	36-90,000 CPM	0,6-1500 Hz
Dynamic Range	± 10 g, peak	
Electrical		
Settling Time	5 Seconds	
Voltage Source	18-30 VDC	
Constant Current Excitation	2-10 mA	
Spectral Noise @ 10 Hz	1.7 µg/√Hz	
Spectral Noise @ 100 Hz	0.2 µg/√Hz	
Spectral Noise @ 1000 Hz	0.12 µg/√Hz	
Output Impedance	<100 ohm	
Bias Output Voltage	10-14 VDC	
Case Isolation	>10^8 ohm	

Specifications	Standard	Metric
Environmental		
Temperature Range	-58 to 250° F	-50 to 121 °C
Electromagnetic Sensitivity	CE	
Sealing	Welded, Hermetic	
Submersible Depth (AC135-2C)	500 ft.	152 m
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	3.4 oz	95 grams
Case Material	316L Stainless Steel	
Mounting	1/4-28	
Connector (non-integral)	2 Pin MIL-C-5015	
Resonant Frequency	960,000 CPM	16000 Hz
Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Mounting Hardware	1/4-28 Stud	M6x1 Adapter Stud
Calibration Certificate	CA10	

Ordering Information

Standard	AC135-1A (1/4-28 Stud)	AC135-2C - / [ ][ ][ ] - [ ] (length in feet) (termination)	AC135-3C - / [ ][ ][ ] / [ ][ ][ ] - [ ] (1/4-28 Stud) (armor length in feet) (cable length in feet) (termination)
Metric	M/AC135-1A (M6x1 Adapter Stud)	M/AC135-2C - / [ ][ ][ ] - [ ] (M6x1 Adapter Stud) (length in feet) (termination) [ ][ ][ ] M - [ ] (length in meters) (termination)	M/AC135-3C - / [ ][ ][ ] / [ ][ ][ ] - [ ] (M6x1 Adapter Stud) (armor length in feet) (cable length in feet) (termination) [ ][ ][ ] M / [ ][ ][ ] M - [ ] (armor length in meters) (cable length in meters) (termination)

Cable Termination Options: E F Z

AC192 Series

Compact, Multi-Purpose Accelerometer, Top Exit Connector / Cable, 100 mV/g

CLICK TO ACTIVATE 3D IMAGE



Actual Product Size Shown

CE

Product Features

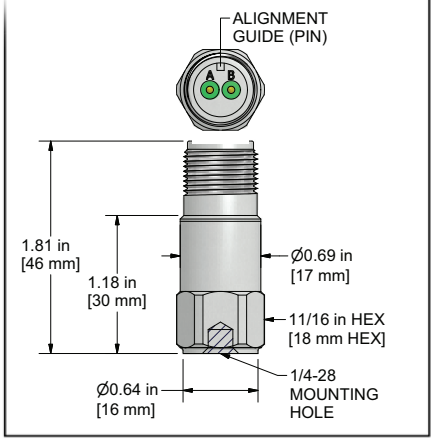
High Performance in an Affordable Compact Sensor

Very Low Noise

- *Superior RF Immunity*
- *±80g Dynamic Range, ± 10% Sensitivity*
- *Standard 2 Pin MIL Connection*

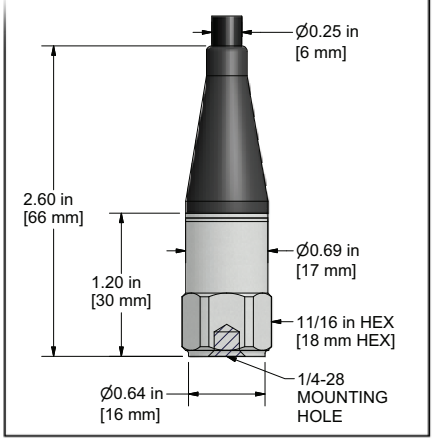
AC192-1A
2 Pin Connector

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



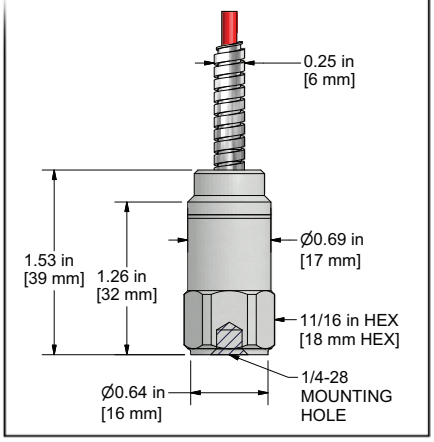
AC192-2C
Integral Cable

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



AC192-3C
Armored Integral Cable

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



Specifications	Standard	Metric
Part Number	AC192	M/AC192
Sensitivity (±10%)	100 mV/g	
Frequency Response (±3dB)	24-780,000 CPM	0,4-13000 Hz
Frequency Response (±10%)	60-540,000 CPM	1,0-9000 Hz
Dynamic Range	± 80 g, peak	
Electrical		
Settling Time	<2 Seconds	
Voltage Source	18-30 VDC	
Constant Current Excitation	2-10 mA	
Spectral Noise @ 10 Hz	8 µg/√Hz	
Spectral Noise @ 100 Hz	4 µg/√Hz	
Spectral Noise @ 1000 Hz	2 µg/√Hz	
Output Impedance	<100 ohm	
Bias Output Voltage	10-14 VDC	
Case Isolation	>10^8 ohm	

Specifications	Standard	Metric
Environmental		
Temperature Range	-58 to 250°F	-50 to 121°C
Electromagnetic Sensitivity	CE	
Sealing	Welded, Hermetic	
Submersible Depth (AC192-2C)	500 ft.	152 m
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	1.8 oz	51 grams
Case Material	316L Stainless Steel	
Mounting	1/4-28	
Connector (non-integral)	2 Pin MIL-C-5015	
Resonant Frequency	1,560,000 CPM	26000 Hz
Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Mounting Hardware	1/4-28 Stud	M6x1 Adapter Stud
Calibration Certificate	CA10	

Ordering Information

Standard	AC192-1A (1/4-28 Stud)	AC192-2C - / ☐☐☐ - ☐ (1/4-28 Stud) (length in feet) (termination)	AC192-3C - / ☐☐☐ / ☐☐☐ - ☐ (1/4-28 Stud) (armor length in feet) (cable length in feet) (termination)
Metric	M/AC192-1A (M6x1 Adapter Stud)	M/AC192-2C - / ☐☐☐ - ☐ (M6x1 Adapter Stud) (length in feet) (termination) ☐☐☐M - ☐ (length in meters) (termination)	M/AC192-3C - / ☐☐☐ / ☐☐☐ - ☐ (M6x1 Adapter Stud) (armor length in feet) (cable length in feet) (termination) ☐☐☐M / ☐☐☐M - ☐ (armor length in meters) (cable length in meters) (termination)

Cable Termination Options: E  F  Z 

AC207 Series

High Temperature Accelerometer, Top Exit Connector / Cable, 100 mV/g

CLICK TO ACTIVATE 3D IMAGE



Actual Product Size Shown

CE HIGH TEMP

Product Features

High Temperature (302°F) Sensor

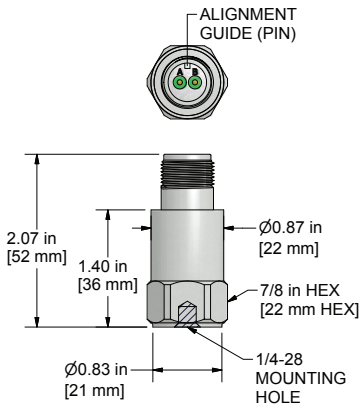
Popular, Proven Sensor for Standard High Temperature Applications

- *Resistant to Temperatures Up to 302°F, (150°C)*
- *Great for Extended Use at High Temperatures*
- *±80 g Dynamic Range*

AC207-1A

2 Pin Connector

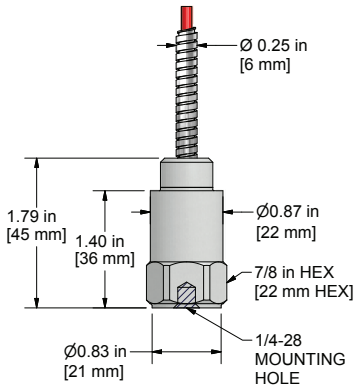
Connector Pin	Polarity
A	(+) Signal / Power
B	(-) Common



AC207-5C

Armored Integral Cable

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



Specifications	Standard	Metric
Part Number	AC207	M/AC207
Sensitivity (±10%)	100 mV/g	
Frequency Response (±3dB)	60-600,000 CPM	1,0-10000 Hz
Frequency Response (±10%)	120-360,000 CPM	2,0-6000 Hz
Dynamic Range	±80 g, peak	
Electrical		
Settling Time	<2.5 Seconds	
Voltage Source	18-30 VDC	
Constant Current Excitation	2-10 mA	
Spectral Noise @ 10 Hz	8 µg/√Hz	
Spectral Noise @ 100 Hz	0.82 µg/√Hz	
Spectral Noise @ 1000 Hz	0.3 µg/√Hz	
Output Impedance	<100 ohm	
Bias Output Voltage	10-14 VDC	
Case Isolation	$>10^8$ ohm	

Specifications	Standard	Metric
Environmental		
Temperature Range	-58 to 302° F	-50 to 150° C
Maximum Shock Protection	5,000 g, peak	
Electromagnetic Sensitivity	CE	
Sealing	Welded, Hermetic	
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	3.2 oz.	90 grams
Case Material	316L Stainless Steel	
Mounting	1/4-28	
Connector (non-integral)	2 Pin -MIL-C-5015	
Resonant Frequency	1,380,000 CPM	23000 Hz
Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Mounting Hardware	1/4-28 Stud	M6x1 Adapter Stud
Calibration Certificate	CA10	

Ordering Information

Metric							
	AC207-1A (1/4-28 Stud)	AC207-5C (1/4-28 Stud)	- /	☐☐☐ (armor length in feet)	/	☐☐☐ (cable length in feet)	- ☐ (termination)
		M/AC207-5C (M6x1 Adapter Stud)	- /	☐☐☐ (armor length in feet)	/	☐☐☐ (cable length in feet)	- ☐ (termination)
				☐☐☐M (armor length in meters)	/	☐☐☐M (cable length in meters)	- ☐ (termination)

Cable Termination Options: E  F  Z 

Backed by our Unconditional Lifetime Warranty

AC220 Series

High Frequency mini-MIL Accelerometer, Top Exit Cable, 10 mV/g

CLICK TO ACTIVATE 3D IMAGE



Actual Product Size Shown

CE

mini-MIL Must Use J2X Series Connectors

Product Features

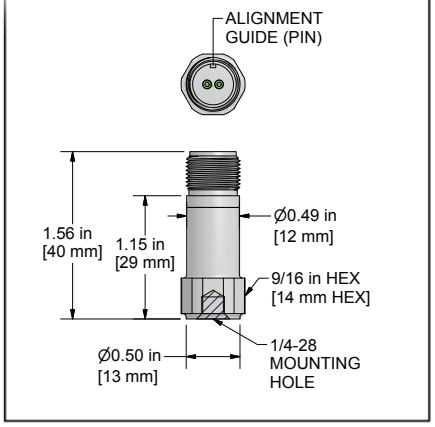
Very High g Accelerometer for High Frequency Applications

For use with High Frequency Applications

- *1,5 - 25000 Hz (90-1,500,000 CPM) Frequency Response*
- *±5% Sensitivity*
- *41 kHz Resonant Frequency*

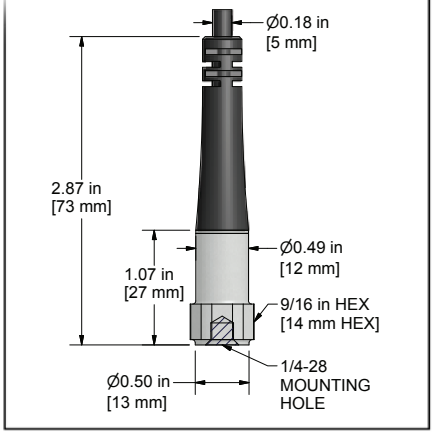
AC220-1A
2 Pin Connector

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



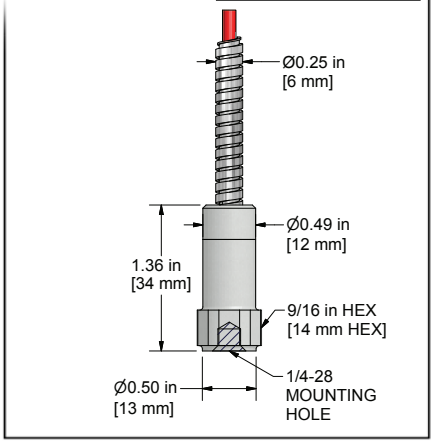
AC220-2C
Integral Cable

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



AC220-3C
Armored Integral Cable

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



Specifications	Standard	Metric
Part Number	AC220	M/AC220
Sensitivity (±5%)	10 mV/g	
Frequency Response (±3dB)	90-1,500,000 CPM	1,5-25000 Hz
Frequency Response (±10%)	120-420,000 CPM	2,0-7000 Hz
Frequency Response (±5%)	180-180,000 CPM	3,0-3000 Hz
Dynamic Range	± 500 g, peak	
Electrical		
Settling Time	<3 Seconds	
Voltage Source	18-30 VDC	
Constant Current Excitation	2-10 mA	
Spectral Noise @ 10 Hz	200 µg/√Hz	
Spectral Noise @ 100 Hz	19 µg/√Hz	
Spectral Noise @ 1000 Hz	5 µg/√Hz	
Output Impedance	<100 ohm	
Bias Output Voltage	7-14 VDC	
Case Isolation	$>10^8$ ohm	

Specifications	Standard	Metric
Environmental		
Temperature Range	-58 to 250° F	-50 to 121°C
Maximum Shock Protection	5,000 g, peak	
Electromagnetic Sensitivity	CE	
Sealing	Welded, Hermetic	
Submersible Depth (AC220-2C)	500 ft.	152 m
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	0.7 oz	20 grams
Case Material	316L Stainless Steel	
Mounting	1/4-28	
Connector (non-integral)	2 Pin mini-MIL	
Resonant Frequency	2,100,000 CPM	35000 Hz
Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Mounting Hardware	1/4-28 Stud	M6x1 Adapter Stud
Calibration Certificate	CA10	

Ordering Information

Standard	AC220-1A (1/4-28 Stud)	AC220-2C (1/4-28 Stud) - / ☐☐☐ - ☐ (length in feet) (termination)	AC220-3C (1/4-28 Stud) - / ☐☐☐ - ☐☐☐ - ☐ (armor length in feet) (cable length in feet) (termination)
Metric	M/AC220-1A (M6x1 Adapter Stud)	M/AC220-2C (M6x1 Adapter Stud) - / ☐☐☐ - ☐ (length in feet) (termination); ☐☐☐M - ☐ (length in meters) (termination)	M/AC220-3C (M6x1 Adapter Stud) - / ☐☐☐ - ☐☐☐ - ☐ (armor length in feet) (cable length in feet) (termination); ☐☐☐M - ☐☐☐M - ☐ (armor length in meters) (cable length in meters) (termination)

Cable Termination Options: E  F  Z 

AC240 Series

Premium Series mini-MIL Accelerometer High Frequency Top Exit Connector / Cable 100 mV/g

CLICK TO ACTIVATE 3D IMAGE



Actual Product Size Shown

mini-MIL Must Use J2X Series Connectors

Product Features

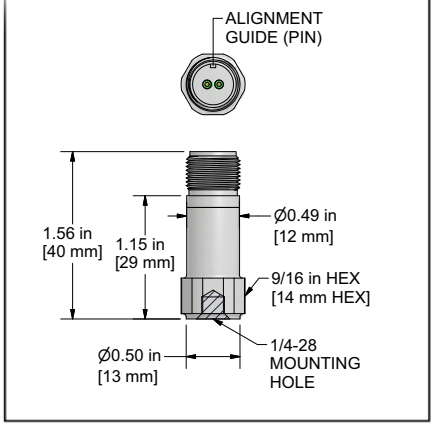
High Performance Sensor for Demanding Applications

High Resonant Frequency with Excellent Frequency Response

- *±50 g, Dynamic Range*
- *34 kHz Resonant Frequency*
- *±5% Sensitivity*

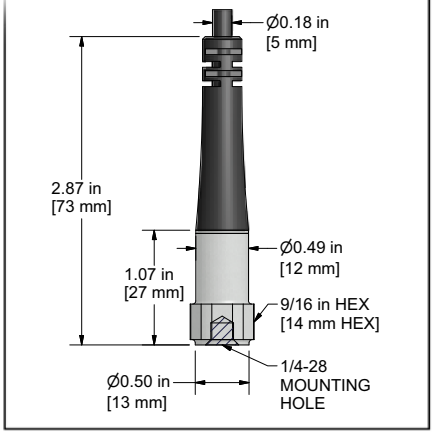
AC240-1D
2 Pin Connector

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



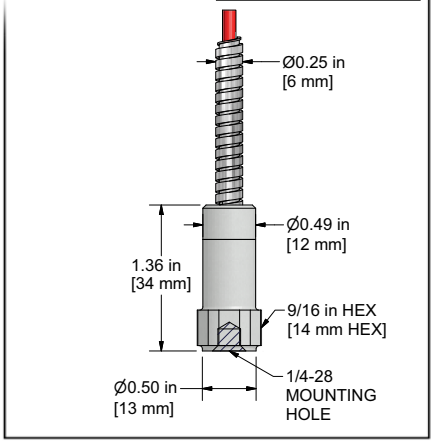
AC240-2D
Integral Cable

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



AC240-3D
Armored Integral Cable

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



Specifications	Standard	Metric
Part Number	AC240	M/AC240
Sensitivity (±5%)	100 mV/g	
Frequency Response (±3dB)	36-1,500,000 CPM	0.6-25000Hz
Frequency Response (±10%)	60-420,000 CPM	1,0-7000 Hz
Frequency Response (±5%)	600-150,000 CPM	10-2500 Hz
Dynamic Range	±50 g, peak	
Electrical		
Settling Time	<2.5 Seconds	
Voltage Source	18-30 VDC	
Constant Current Excitation	2-10 mA	
Spectral Noise @ 10 Hz	30 µg/√Hz	
Spectral Noise @ 100 Hz	4 µg/√Hz	
Spectral Noise @ 1000 Hz	2 µg/√Hz	
Output Impedance	<100 ohm	
Bias Output Voltage	7-14 VDC	
Case Isolation	$>10^8$ ohm	

Specifications	Standard	Metric
Environmental		
Temperature Range	-58 to 250° F	-50 to 121°C
Maximum Shock Protection	5,000 g, peak	
Electromagnetic Sensitivity	CE	
Sealing	Welded, Hermetic	
Submersible Depth (AC240-2D)	500 ft.	152 m
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	0.7 oz	20 grams
Case Material	316L Stainless Steel	
Mounting	1/4-28	
Connector (non-integral)	2 Pin mini-MIL	
Resonant Frequency	2,040,000 CPM	34000 Hz
Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Mounting Hardware	1/4-28 Stud	M6x1 Adapter Stud
Calibration Certificate	CA10	

Ordering Information

Standard	AC240-1D (1/4-28 Stud)	AC240-2D (1/4-28 Stud) - / ☐☐☐ - ☐ (length in feet) (termination)	AC240-3D (1/4-28 Stud) - / ☐☐☐ - ☐☐☐ - ☐ (armor length in feet) (cable length in feet) (termination)	
Metric	M/AC240-1D (M6x1 Adapter Stud)	M/AC240-2D (M6x1 Adapter Stud) - / ☐☐☐ - ☐ (length in feet) (termination) ☐☐☐M - ☐ (length in meters) (termination)	M/AC240-3D (M6x1 Adapter Stud) - / ☐☐☐ - ☐☐☐ - ☐ (armor length in feet) (cable length in feet) (termination) ☐☐☐M - ☐☐☐M - ☐ (armor length in meters) (cable length in meters) (termination)	

Cable Termination Options: E F Z