

AC162 Series

3 Wire Negative Voltage Accelerometer, Top Exit Connector, 25 mV/g

SECTION I - VIBRATION SENSORS
Accelerometers



Actual Product Size Shown



Product Features

Comparable to Bently™ 330425

± 5% Sensitivity Tolerance

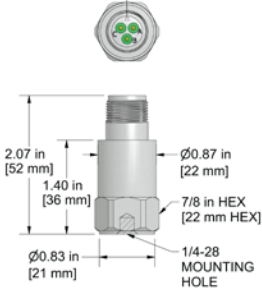
- 3 Wire Negative Voltage Sensor
- ±120 g, Peak Dynamic Range
- 25 mV/g Nominal Sensitivity

AC162-1A

3 Pin Connector

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

ALIGNMENT GUIDE (PIN)



AC162-2C

Integral Cable

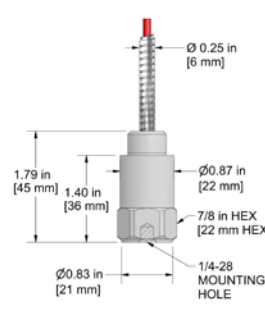
Conductor	Polarity
Red	(+) Signal
Black	(-) Power-Negative
White	(+) Common/Power
Shield	Cable Drain Wire



AC162-3C

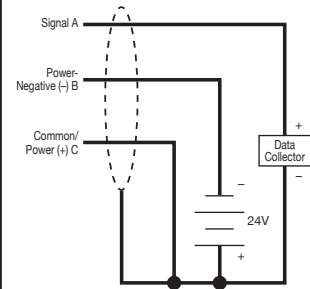
Armored Integral Cable

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



AC162

Wiring Diagram



Specifications	Standard	Metric
Part Number	AC162	M/AC162
Sensitivity (±5%)	25 mV/g	
Frequency Response (±3dB)	450-900,000 CPM	7.5-15000 Hz
Frequency Response (±10%)	1200-600,000 CPM	20-10000 Hz
Dynamic Range	± 120 g, peak	
Electrical		
Settling Time	<2 Seconds	
Power Supply	(-24 ± 4) VDC, <15 mA	
Bias Current	<1 mA	
Broadband Noise Floor (10 to 15k Hz)	.002 g RMS	
Output Impedance	<5 ohm	
Bias Output Voltage	-8.5 VDC Nominal	
Case Isolation	>10 ⁹ ohm	

Specifications	Standard	Metric
Environmental		
Temperature Range	-58 to 250°F	-50 to 121°C
Maximum Shock Protection	5,000 g, peak	
Sealing	IP68	
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	3.1 oz	86 grams
Case Material	316L Stainless Steel	
Mounting	1/4-28	
Connector (non-integral)	3 Pin MIL	
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	AC162-1A (1/4-28 Stud)	AC162-2C - / (1/4-28 Stud)	AC162-3C - / (1/4-28 Stud)
Metric	M/AC162-1A (M6x1 Adapter Stud)	M/AC162-2C - / (M6x1 Adapter Stud)	M/AC162-3C - / (M6x1 Adapter Stud)

Cable Termination Options: L Z

Backed by our Unconditional Lifetime Warranty

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