

Actual Product Size Shown



### Product Features

**50 mV/g General Purpose Side Exit Sensor**

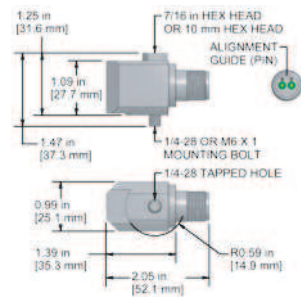
**Excellent for Higher g Applications**

- $\pm 100$  g, Peak Dynamic Range
- 50 mV/g,  $\pm 10\%$  Sensitivity
- 1,0-10000 Hz (60-600,000 CPM)

#### AC118-1A

2 Pin Connector

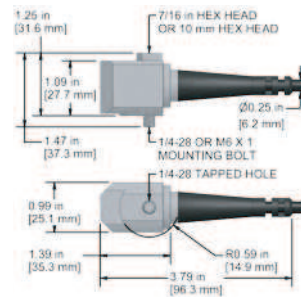
Connector Pin	Polarity
A	(+) Signal/Power
B	(-) Common



#### AC118-2C

Integral Cable

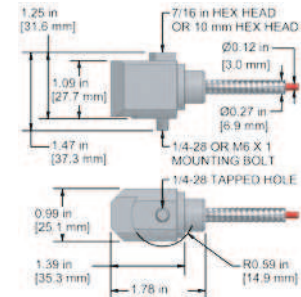
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



#### AC118-3C

Armored Integral Cable

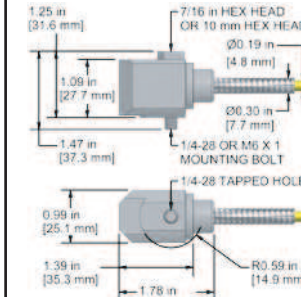
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



#### AC118-6C

Heavy Duty Armored Integral Cable

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



Specifications	Standard	Metric
Part Number	AC118	M/AC118
Sensitivity ( $\pm 10\%$ )		50 mV/g
Frequency Response ( $\pm 3$ dB)	60-600,000 CPM	1,0-10000 Hz
Frequency Response ( $\pm 10\%$ )	240-360,000 CPM	4,0-6000 Hz
Dynamic Range		$\pm 100$ g, peak
<b>Electrical</b>		
Settling Time		<2 Seconds
Voltage Source (IEPE)		18-30 VDC
Constant Current Excitation		2-10 mA
Spectral Noise @ 10 Hz		8 $\mu$ g/√Hz
Spectral Noise @ 100 Hz		2.5 $\mu$ g/√Hz
Spectral Noise @ 1000 Hz		1.7 $\mu$ g/√Hz
Output Impedance		<100 ohm
Bias Output Voltage		10-14 VDC
Case Isolation		>10 <sup>8</sup> ohm

Specifications	Standard	Metric
<b>Environmental</b>		
Temperature Range	-58 to 250°F	-50 to 121°C
Maximum Shock Protection		5,000 g, peak
Electromagnetic Sensitivity		CE
Sealing		IP68
Submersible Depth (AC118-2C/3C)	200 ft.	60 m
<b>Physical</b>		
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	1,260,000 CPM	21000 Hz
Mounting Torque	2 to 5 ft. lbs.	2.7 to 6.8 Nm
Mounting Hardware	1/4-28 Captive Bolt	M6x1 Captive Bolt
<b>Calibration Certificate</b>		CA10

### Ordering Information

Standard	AC118-1A (1/4-28 Captive Bolt)	AC118-2C - / (1/4-28 Captive Bolt)	AC118-3C - / (1/4-28 Captive Bolt)	AC118-6C - / (1/4-28 Captive Bolt)
Metric	M/AC118-1A (M6x1 Captive Bolt)	M/AC118-2C - / (M6x1 Captive Bolt)	M/AC118-3C - / (M6x1 Captive Bolt)	M/AC118-6C - / (M6x1 Captive Bolt)

Cable Termination Options: E F L Z

