



Product Features

High Performance in an Affordable, Side Exit, Compact Sensor

Very Low Noise and Superior RF Immunity

100 mV/g Sensitivity, $\pm 10\%$

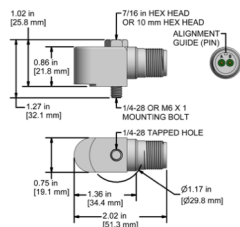
$\pm 80g$ Dynamic Range

Standard 2 Pin MIL Connection on Non-Integral Option

AC194-1D

2 Pin Connector

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

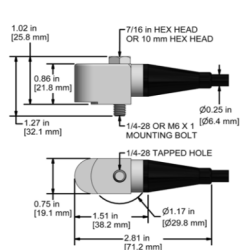


Stock Product

AC194-2D

CB1U3 Integral Cable

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

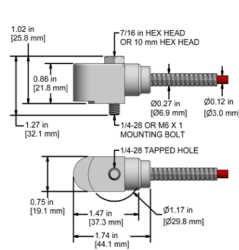


Built To Order

AC194-3D

CB2U6 Armored Integral Cable

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

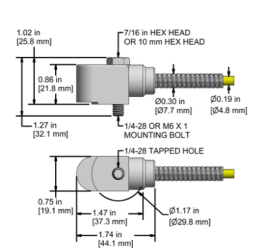


Built To Order

AC194-6D

CB611 Heavy Duty Armored Integral Cable

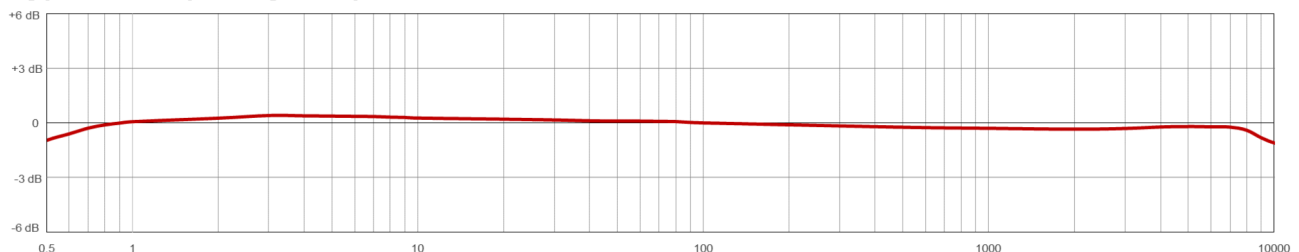
Conductor	Polarity
Red	(+) Power/Signal
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC194	M/AC194	Environmental		
Sensitivity ($\pm 10\%$)		100 mV/g	Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response ($\pm 3dB$)	30-600,000 CPM	0.5-10000 Hz	Maximum Shock Protection		5,000 g, peak
Dynamic Range		± 80 g, peak	Electromagnetic Sensitivity		CE
Electrical			Sealing		Welded, Hermetic
Settling Time	<2 Seconds		Submersible Depth	200 ft.	60 m
Voltage Source (IEPE)	18-30 VDC		Physical		
Constant Current Excitation	2-10 mA		Sensing Element		PZT Ceramic
Spectral Noise @ 10 Hz	8 $\mu g/\sqrt{Hz}$		Sensing Structure		Shear Mode
Spectral Noise @ 100 Hz	4 $\mu g/\sqrt{Hz}$		Weight	3.3 oz	93 grams
Spectral Noise @ 1000 Hz	2 $\mu g/\sqrt{Hz}$		Case Material		316L Stainless Steel
Output Impedance	<100 ohm		Mounting		Captive Bolt
Bias Output Voltage	10-14 VDC		Connector (Non-Integral)		2 Pin MIL-C-5015
Case Isolation	>10 ⁸ ohm		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 Captive Bolt	M6x1 Captive Bolt
			Calibration Certificate		CA10

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

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