

Actual Product Size Shown



Product Features

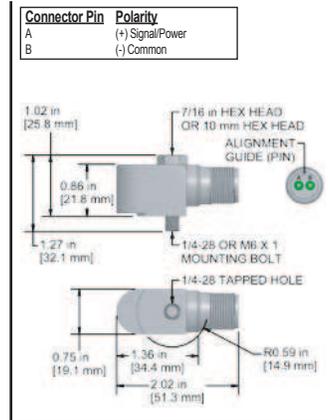
High Performance in an Affordable, Side Exit Compact Sensor

Very Low Noise

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

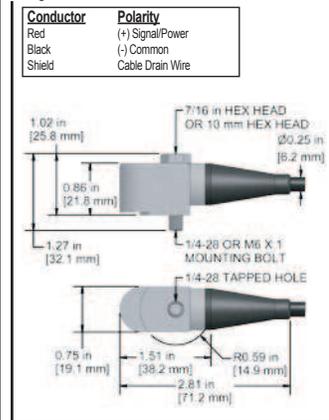
AC194-1D

2 Pin Connector



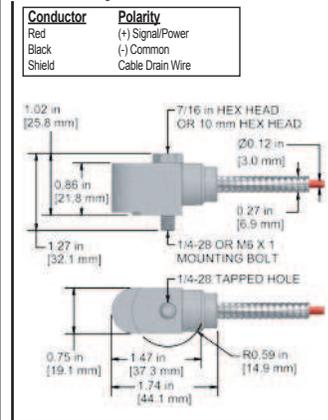
AC194-2D

Integral Cable



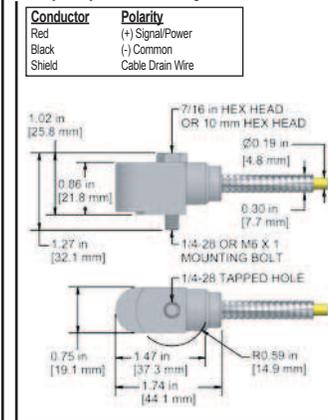
AC194-3D

Armored Integral Cable



AC194-6D

Heavy Duty Armored Integral Cable



Specifications	Standard	Metric
Part Number	AC194	M/AC194
Sensitivity (±10%)	100 mV/g	
Frequency Response (±3dB)	30-600,000 CPM	0.5-10000 Hz
Dynamic Range	± 80 g, peak	
Electrical		
Settling Time	<2 Seconds	
Voltage Source (IEPE)	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
Maximum Shock Protection	5,000 g, peak	
Electromagnetic Sensitivity	CE	
Sealing	IP68	
Submersible Depth (AC194-2D/3D)	200 ft.	60 m
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	3.3 oz	93 grams
Case Material	316L Stainless Steel	
Mounting	1/4-28	
Connector (non-integral)	2 Pin MIL-C-5015	
Resonant Frequency	1,200,000 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

Ordering Information

Standard	AC194-1D	AC194-2D - /	AC194-3D - /	AC194-6D - /
	(1/4-28 Captive Bolt)	(1/4-28 Captive Bolt)	(1/4-28 Captive Bolt)	(1/4-28 Captive Bolt)
		(length in feet) (termination)	(maximum armor length 100 ft.) (cable length in feet) (termination)	(maximum armor length 20 ft.) (cable length in feet) (termination)
Metric	M/AC194-1D (M6x1 Captive Bolt)	M/AC194-2D - / (M6x1 Captive Bolt)	M/AC194-3D - / (M6x1 Captive Bolt)	M/AC194-6D - / (M6x1 Captive Bolt)
		(length in feet) (termination)	(maximum armor length 100 ft.) (cable length in feet) (termination)	(maximum armor length 20 ft.) (cable length in feet) (termination)
		(length in meters) (termination)	(maximum armor length 30 m) (cable length in meters) (termination)	(maximum armor length 6 m) (cable length in meters) (termination)

