



Actual Product Size Shown



Product Features

Low-Cost Accelerometer - Perfect for Permanent Mounting

Excellent Choice for budget Conscious Data Collection

- ± 50 g, Peak Dynamic Range
- Standard 2 Pin MIL Connection
- 1-10000 Hz (60-600,000 CPM) Frequency Response

AC150-1A

2 Pin Connector

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



AC150-2C

Integral Cable

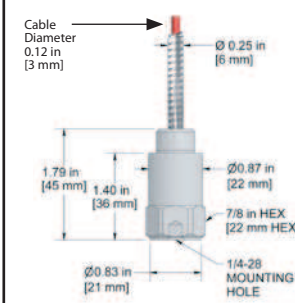
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



AC150-3C

Armored Integral Cable

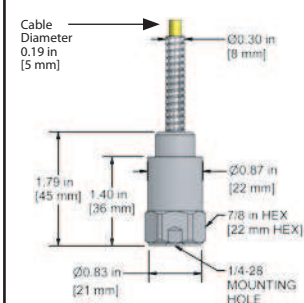
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



AC150-6C

Heavy Duty Armored Integral Cable

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



Specifications	Standard	Metric
Part Number	AC150	M/AC150
Sensitivity ($\pm 15\%$)		100 mV/g
Frequency Response (± 3 dB)	60-600,000 CPM	1,0-10000 Hz
Dynamic Range	± 50 g, peak	
Electrical		
Settling Time	<2.5 seconds	
Voltage Source (IEPE)	18-30 VDC	
Constant Current Excitation	2-10 mA	
Spectral Noise @ 10 Hz	14 μ g/ \sqrt Hz	
Spectral Noise @ 100 Hz	2.3 μ g/ \sqrt Hz	
Spectral Noise @ 1000 Hz	2 μ g/ \sqrt 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 (AC150-2C/3C)	200 ft.	60 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	AC150-1A (1/4-28 Stud)	AC150-2C - / (1/4-28 Stud)	AC150-3C - / (1/4-28 Stud)	AC150-6C - / (1/4-28 Stud)
		(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/AC150-1A (M6x1 Adapter Stud)	M/AC150-2C - / (M6x1 Adapter Stud)	M/AC150-3C - / (M6x1 Adapter Stud)	M/AC150-6C - / (M6x1 Adapter Stud)
		(length in meters) (termination)	(maximum armor length 30 m) (cable length in meters) (termination)	(maximum armor length 6 m) (cable length in meters) (termination)

Cable Termination Options: E F L Z

