

LIMITED AVAILABILITY!



Actual Product Size Shown



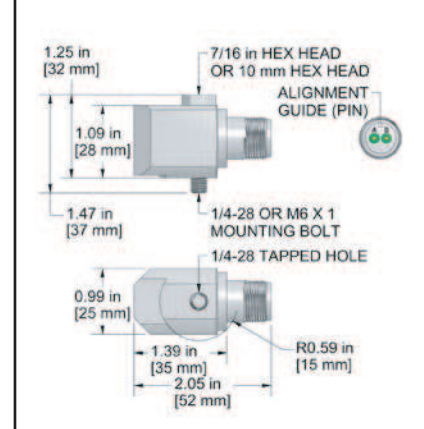
Product Features

Low Cost Side Exit Sensor!
Economical way to Trend Machinery

- Standard 2 Pin MIL Connection
- $\pm 50g$, Peak Dynamic Range
- 5 - 7000 Hz (30 - 420,000 CPM) Frequency Response

AC154-1A 2 Pin Connector

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



Specifications	Standard	Metric
Part Number	AC154-1A	M/AC154-1A
Sensitivity ($\pm 15\%$)		100 mV/g
Frequency Response ($\pm 3dB$)	30-420,000 CPM	0,5-7000 Hz
Dynamic Range		± 50 g, peak
<u>Electrical</u>		
Settling Time		<2.5 seconds
Voltage Source		18-30 VDC
Constant Current Excitation		2-10 mA
Spectral Noise @ 10 Hz		14 $\mu g/\sqrt{Hz}$
Spectral Noise @ 100 Hz		2.3 $\mu g/\sqrt{Hz}$
Spectral Noise @ 1000 Hz		2 $\mu g/\sqrt{Hz}$
Output Impedance		<100 ohm
Bias Output Voltage		10-14 VDC
Case Isolation		>10 ⁸ ohm

Specifications	Standard	Metric
<u>Environmental</u>		
Temperature Range	-58 to 250°F	-50 to 121°C
Maximum Shock Protection		5,000 g, peak
Electromagnetic Sensitivity		CE
Sealing		Welded, Hermetic
<u>Physical</u>		
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	1,320,000 CPM	22000 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	AC154-1A (1/4-28 Captive Bolt)
Metric	M/AC154-1A (M6x1 Captive Bolt)

→ Contact Factory BEFORE Ordering or Quoting!

