



## Loop Powered 4-20 mA Velocity Output Sensor

### Features

- Output 4-20mA
- Welded Hermetic Seal
- 2-Pin MIL style connector
- 2 Ranges - 1.0 and 2.0 in/sec full scale

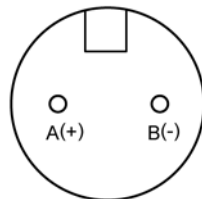
### Connector

PIN 'A'  
PIN 'B'  
Housing

### Function

Loop Positive (+)  
Loop Negative (-)  
Ground

Connector view (top)



**Note:** Loop Negative (-) and Housing Ground should be isolated

### Operating Specifications

#### Dynamic

Current Output	4-20 mA +/- 5%*
Frequency Range	10 Hz - 1000 Hz
±10%	6 Hz - 2500 Hz
±3dB	≤ 60 seconds
Turn-on Time	5%
Transverse Sensitivity (Nom.)	<2%
Amplitude Linearity	

#### Electrical

Max Load Resistance	500 Ω
Grounding	Isolated
Power Requirements	18-30 VDC

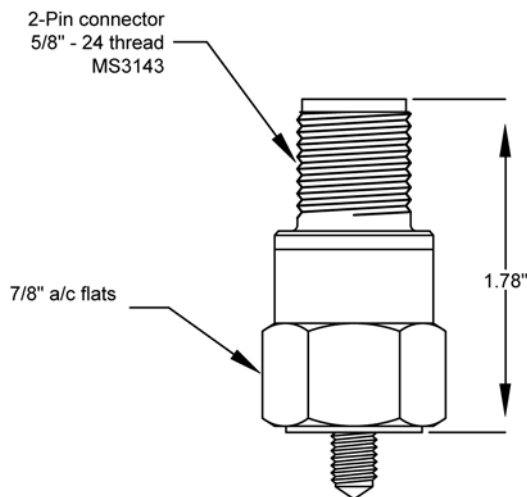
#### Environmental

Temperature Range	-40 to 185°F / -40 to 85°C
Base Strain (NOM)	.001 g peak/μstrain
Shock Limit	2000 g peak

#### Physical

Physical Dimensions	1.78" h x .875" across flats
Weight	75 grams
Case Material	Type 316L stainless steel
Design	Piezoelectric
Seal	Welded - Hermetic
Mounting	¼-28 stud
Mounting Torque	25 in - lb. (2.8 N-m)

\* An output of 4mA indicates a level of 0 in/sec or no vibration present. A full-scale reading of 20mA indicates that the maximum range (RMS) of vibration is present



### Ordering Information:

Model 6420V .....	9357255-XX
e.g. 9357255-10 = 0-1.0 IPS (0-25.4 mm/sec) RMS	
9357255-20 = 0-2.0 IPS (0-50.8 mm/sec) RMS	
Cable, 2-Pin MIL/BNC 6' molded splashproof .....	9356686
Cable, 2-Pin MIL/Pigtail 6' high temperature .....	9354084
Cable, 2-Pin MIL/BNC 6' high temperature .....	9356381
Magnetic holder, 16 lb (for curved/flat surfaces) .....	9356809

#### Sensors include:

Calibrated Current Output @ 61.5 Hz, ¼-28 Mounting Stud, 1-Year Warranty

**For more information about Vibra-Metrics accelerometers, call us today at 609-716-4130, or visit us on-line at [www.vibrametrics.com](http://www.vibrametrics.com)**



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