LP352 Series

Low Cost, Loop Power Vibration Sensor/Transmitter, Acceleration, 4-20 mA Output, Top Exit Connector/Cable

Actual Product Size Shown

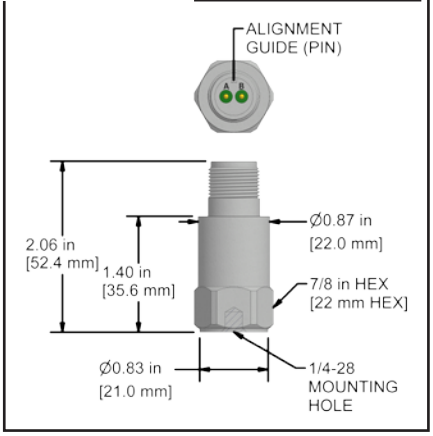
Product Features

Protect Machinery from Excessive Vibration or Catastrophic Failure

- *Peak and RMS Outputs Available*
- *Acceleration Output for Higher Frequency Applications*
- *Outputs to PLC, DCS, SCADA*

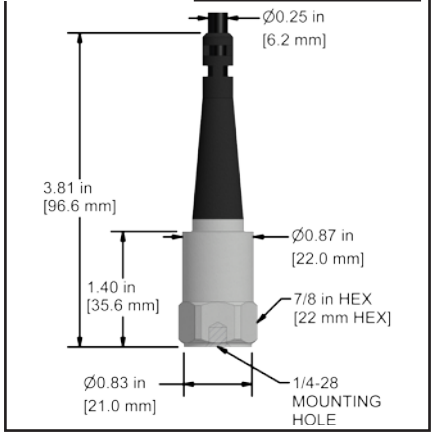
LP352-1D
2 Pin Connector

Connector Pin	Polarity
A	(+) Loop Power mA Output
B	(-) Common



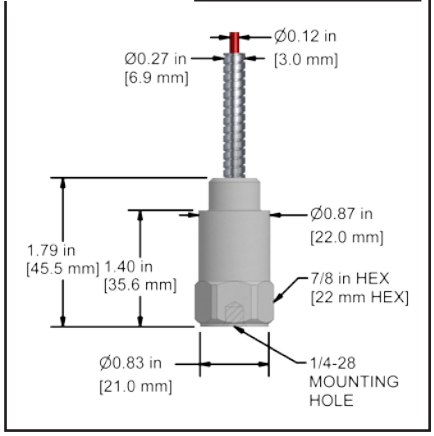
LP352-2D
Integral Cable

Conductor	Polarity
Red	(+) Loop Power mA Output
Black	(-) Common
Shield	Cable Drain Wire



LP352-3D
Armored Integral Cable

Conductor	Polarity
Red	(+) Loop Power mA Output
Black	(-) Common
Shield	Cable Drain Wire



Specifications	Standard	Metric
Output, 4-20 mA Measurement Range	See Selection Guide	
Tolerances		
4 mA	(± 5%)	
20 mA	(± 15%)	
Electrical		
Power Requirement (Loop Powered) Voltage Source	15-30 VDC	
Electrical Case Isolation	>10^8 ohm	
Environmental		
Temperature Range	-40 to 185°F	-40 to 85°C
Electromagnetic Sensitivity	CE	
Sealing	IP68	
Submersible Depth (LP302-2C/3C)	200 ft.	60 m

Specifications	Standard	Metric
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight (without cable)	2.9 oz	82 grams
Case Material	316L Stainless Steel	
Mounting Hole	1/4-28	
Connector (LP352-1D)	2 Pin MIL-C-5015	
Integral Cable (LP352-2D)	CB103	
Armored Cable (LP352-3D)	CB206	
Mechanical		
Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Supplied Accessories		
Mounting Hardware	1/4-28 Stud	M6x1 Adapter Stud
Calibration Certificate	Current Output @ 100 Hz	

Ordering Information

All Products Are Built To Order

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Stud Type	Measurement Range	Range Type	Frequency Range +/- 3dB	Style	Armor Length (Integral)	Cable Length (Integral)
M = *M6x1* *(blank for 1/4-28)*	**0** = *0-1 g* **2** = *0-2 g* **5** = *0-5 g* **10** = *0-10 g* **20** = *0-20 g*	**R** = *RMS* **P** = *Peak*	**1** = *600-60,000 CPM (10-1000 Hz)* **2** = *180-150,000 CPM (3-2500 Hz)*	**1D** = *2 Pin MIL C-5015* **2D** = *Integral Cable, CB103* **3D** = *Armor Jacket, CB206*	**010** = 10 ft. (3 m) **020** = 20 ft. (6 m) **030** = 30 ft. (9 m) **050** = 50 ft. (15 m) **100** = 100 ft. (30 m) *(Custom lengths available upon request)*	**010** = 10 ft. (3 m) **020** = 20 ft. (6 m) **030** = 30 ft. (9 m) **050** = 50 ft. (15 m) **100** = 100 ft. (30 m) *(Custom lengths available upon request)*