Loop Power Sensor, Velocity, 4-20 mA Output, Top Exit M12 Connector

Product Features

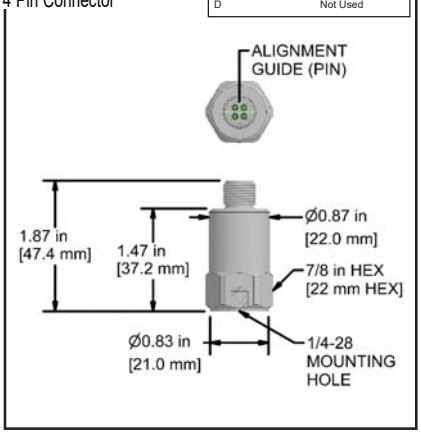
Continuously Monitor & Protect Important Machinery

- ***4-20 mA Current Proportional to Vibration***
- ***Transmit Signals Over Long Distances with No Signal Loss***
- ***Customize Your Settings to Focus on the Most Important Frequencies***

Actual Product Size Shown

LP202-M12E
4 Pin Connector

Connector Pin	Polarity
A	(+) Signal/Power
B	(-) Common
C	Not Used
D	Not Used



Specifications	Standard	Metric
Output, 4-20 mA Measurement Range	See Selection Guide	
Tolerances		
4 mA	(± 5%)	
20 mA	(± 10%)	
Electrical		
Settling Time (Turn on Time) @ Room Temp (68° F/20° C)	<30 Seconds	
Power Requirement (Loop Powered) Voltage Source	15-30 VDC	
Electrical Case Isolation	$>10^8$ ohm	
Environmental		
Temperature Range	-40 to 212°F	-40 to 100°C
Electromagnetic Sensitivity	CE	
Sealing	IP68	

Specifications	Standard	Metric
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	2.9 oz	82 grams
Case Material	316L Stainless Steel	
Mounting	1/4-28	
Connector (LP202-M12E)	4 Pin M12	
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

[ ]/LP202 - [ ] [ ] [ ] - M 1 2 E

Stud Type	Measurement Range	Range Type	Frequency Range +/- 3dB	Style
M = M6x1 (blank for 1/4-28)	**0** = 0-0.5 IPS (0-12,7 mm/sec) **1** = 0-1 IPS (0-25,4 mm/sec) **2** = 0-2 IPS (0-50,8 mm/sec) **3** = 0-10 mm/sec (0-0,4 IPS) **4** = 0-20 mm/sec (0-0,8 IPS) **6** = 0-5 IPS (0-127 mm/sec)	**R** = RMS **P** = Peak	**1** = 600-60,000 CPM (10-1000 Hz) **2** = 180-150,000 CPM (3-2500 Hz) **3** = 180-60,000 CPM (3-1000 Hz) **4** = 180-300,000 CPM (3-5000 Hz) **5** = 180-600,000 CPM (3-10000 Hz)	**M12E** = 4 Pin M12

All Products Are Built To Order