

LP302-M12 Series

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

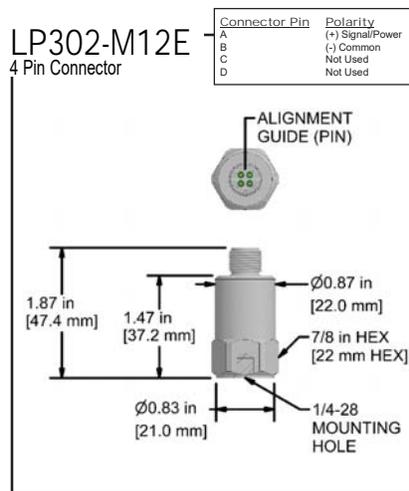


Actual Product Size Shown

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



Specifications	Standard	Metric
Output, 4-20 mA	See Selection Guide	
Measurement Range		
<u>Tolerances</u>		
4 mA	(± 5%)	
20 mA	(± 10%)	
<u>Electrical</u>		
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	
<u>Environmental</u>		
Temperature Range	-40 to 212°F	-40 to 100°C
Electromagnetic Sensitivity	CE	
Sealing	IP68	

Specifications	Standard	Metric
<u>Physical</u>		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	2.9 oz	82 grams
Case Material	316L Stainless Steel	
Mounting	1/4-28	
Connector (LP302-M12E)	4 Pin M12	
<u>Mechanical</u>		
Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
<u>Supplied Accessories</u>		
Mounting Hardware	1/4-28 Stud	M6x1 Adapter Stud
Calibration Certificate	Current Output @ 100 Hz	

Ordering Information

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Stud Type	Measurement Range	Range Type	Frequency Range +/- 3dB	Style
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) 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



Lifetime Warranty on Materials & Workmanship