

LP354-M12 Series

Low Cost, Loop Power Vibration Sensor, Acceleration, 4-20 mA Output, Side Exit M12 Connector



Actual Product Size Shown

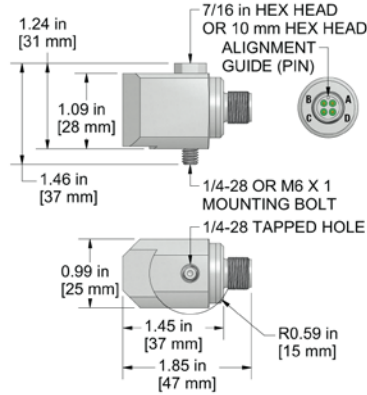
Product Features

Continuously Monitor & Protect Important Machinery

- 4-20 mA current proportional to Vibration
- Transmit Signals Over Long Distances with no Quality Loss
- Customize Your Settings to Focus on the Most Important Frequencies

LP354-M12D 4 Pin Connector

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



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

Specifications	Standard	Metric
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	4.9 oz	140 grams
Case Material	316L Stainless Steel	
Mounting	1/4-28	
Connector (LP354-XXX-M12D)	4 Pin M12	
Mechanical		
Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Supplied Accessories		
Mounting Hardware	1/4-28 Captive Bolt	M6x1 Captive Bolt
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)	M12D = 4 Pin M12



Lifetime Warranty on Materials & Workmanship

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