

# LP284-M12 Series

Loop Power Sensor, Velocity, 4-20 mA Output, Side Exit Connector, M8 Captive Bolt



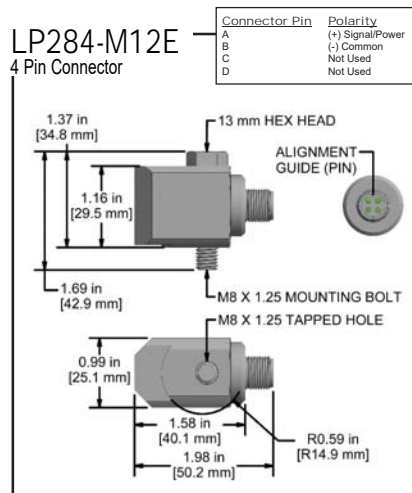
M8 Captive Bolt

Actual Product Size Shown

## Product Features

Continuously Monitor & Protect Important Machinery

- 4-20 mA Current Proportional to Vibration
- M8 Captive Bolt
- Customize Your Settings to Focus on the Most Important Frequencies
- Transmit Signals



Specifications	Standard	Metric
Output, 4-20 mA	See Selection Guide	
Measurement Range		
<b>Tolerances</b>		
4 mA	(± 5%)	
20 mA	(± 10%)	
<b>Electrical</b>		
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 <sup>8</sup> ohm	
<b>Environmental</b>		
Temperature Range	-40 to 212°F	-40 to 100°C
Electromagnetic Sensitivity	CE	
Sealing	IP68	

Specifications	Standard	Metric
<b>Physical</b>		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	5.8 oz	164 grams
Case Material	316L Stainless Steel	
Mounting	M8	
Connector (LP284-M12E)	4 Pin M12	
<b>Mechanical</b>		
Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
<b>Supplied Accessories</b>		
Mounting Hardware	M8 x 1.25 Captive Bolt	
Calibration Certificate	Current Output @ 100 Hz	

## Ordering Information

LP284 -    - M 1 2 E

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



Lifetime Warranty on Materials & Workmanship