

LP284 Series

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



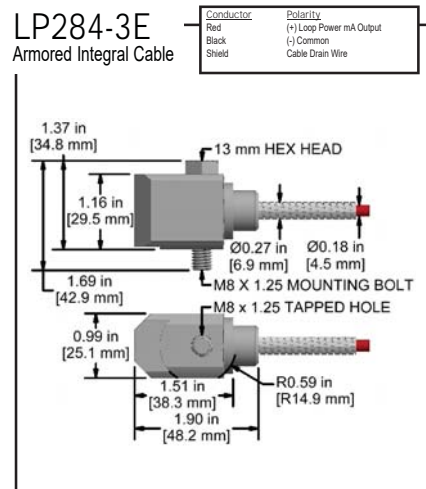
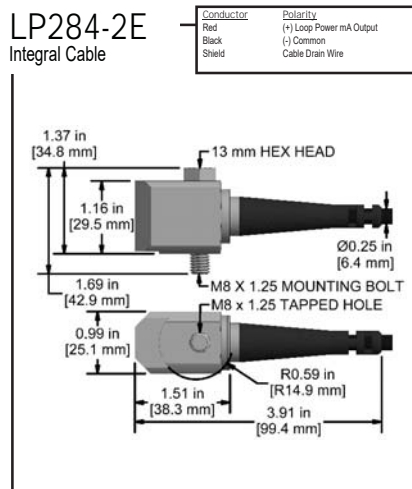
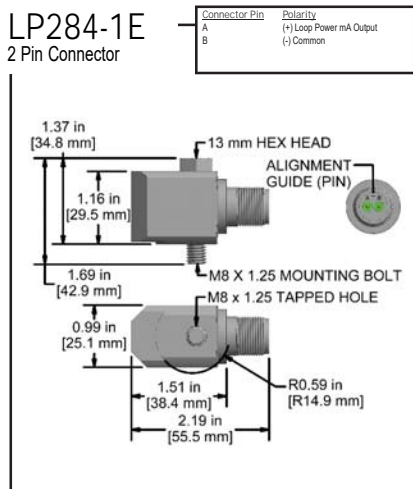
M8 Captive Bolt

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	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	
Submersible Depth (LP284-2D/3D)	200 ft.	60 m

Specifications	Standard	Metric
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight (without cable)	6.0 oz	170 grams
Case Material	316L Stainless Steel	
Mounting Hole	1/4-28	
Connector (LP284-1E)	2 Pin MIL-C-5015	
Integral Cable (LP284-2E)	Polyurethane Jacketed Cable	
Armored Cable (LP284-3E)	Armor Jacketed Cable	
Mechanical		
Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Supplied Accessories		
Mounting Hardware	M8 x 1.25 Captive Bolt	
Calibration Certificate	Current Output @ 100 Hz	

Ordering Information

LP284 - - - -



Measurement Range	Range Type	Frequency Range +/- 3dB	Style	Cable/Armor Lengths
0 = 0-0.5 IPS (0-12.7 mm/sec)	R = RMS	1 = 600-60,000 CPM (10-1000 Hz)	1E = 2 Pin MIL-C-5015	Component Cables Ordered Separately
1 = 0-1 IPS (0-25.4 mm/sec)	P = Peak	2 = 180-150,000 CPM (3-2500 Hz)	2E = Integral Cable	/ <input type="text"/> - Z
2 = 0-2 IPS (0-50.8 mm/sec)		3 = 180-60,000 CPM (3-1000 Hz)		Cable Length (in Feet)
3 = 0-10 mm/sec (0-0.4 IPS)		4 = 180-300,000 CPM (3-5000 Hz)	3E = Armor Jacket	/ <input type="text"/> / <input type="text"/> - Z
4 = 0-20 mm/sec (0-0.8 IPS)				Maximum Armor Length 100 ft. (30 m)
6 = 0-5 IPS (0-127 mm/sec)				Cable Length (in Feet)

Lifetime Warranty on Materials & Workmanship

