

LP284-M12E Series

Loop Power Sensor, 4-20 mA Output Proportional to Vibration in Velocity, Side Exit 4 Pin Connector, M8 Captive Bolt



VIBRATION ANALYSIS HARDWARE



Product Features

Continuously Monitor & Protect Important Machinery

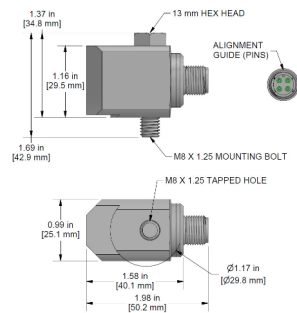
Transmit Signals

- ▶ 4-20 mA current proportional to Vibration
- ▶ M8 Captive Bolt
- ▶ Customize Your Settings to Focus on the Most Important Frequencies

LP284-XXX-M12E

4 Pin Connector

Connector Pin	Polarity
1	(+) Signal/Power
B	(-) Common
3	Not Used
4	Not Used



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	LP284-M12E		Physical		
Tolerance: 4 mA		(± 10%)	Sensing Element	PZT Ceramic	
Tolerance: 20 mA		(± 10%)	Sensing Structure	Shear Mode	
Electrical			Weight	5.8 oz	164 grams
Settling Time	<30 Seconds		Case Material	316L Stainless Steel	
Voltage Source (IEPE)	15-30 VDC		Mounting	1/4-28	
Case Isolation	>10 ⁸ ohm		Connector (Non-Integral)	4 Pin M12	
Environmental			Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Temperature Range	-40 to 212°F	-40 to 100°C	Mounting Hardware	1/4-28 Captive Bolt	M6x1 Captive Bolt
Electromagnetic Sensitivity	CE		Calibration Certificate	Current Output @ 100 Hz	
Sealing	Welded, Hermetic				
Submersible Depth	200 ft.	30 m			

Ordering Information

Integral Options

Stud Type

Blank = 1/4-28
M = M6x1

Measurement Range

0 = 0-0.5 IPS (0-12.7 mm/sec)
1 = 0-1 IPS (0-25.4 mm/sec)
2 = 0-2 IPS (0-25.4 mm/sec)
3 = 0-0.4 IPS (0-10 mm/sec)
4 = 0-0.8 IPS (0.20 mm/sec)
6 = 0-5 IPS (0-127 mm/sec)

Type

P = Peak
R = RMS

Frequency Range ±3dB

1 = 600-60000 CPM (10-1000 Hz)
2 = 180-150000 CPM (3-2500 Hz)
3 = 180-60000 CPM (3-1000 Hz)
4 = 180-300000 CPM (3-5000 Hz)
5 = 180-600000 CPM (3-10000 Hz)

Style

1E = 2 Pin MIL C-5015
2E = Integral Cable
3E = Armor Jacket
M12E = 4 Pin M12

Armor Length (Integral)

010 = 10 ft/3 m
020 = 20 ft/6 m
030 = 30 ft/9 m
050 = 50 ft/15 m
100 = 100 ft/30 m

Cable Length (Integral)

010 = 10 ft/3 m
020 = 20 ft/6 m
030 = 30 ft/9 m
050 = 50 ft/15 m
100 = 100 ft/30 m

*Custom Lengths Available Upon Request

Backed by our Unconditional Lifetime Warranty

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