LP202-M12E Series

Loop Power Sensor, 4-20 mA Output Proportional to Vibration in Velocity, Top Exit 4 Pin M12 Connector

VIBRATION ANALYSIS HARDWARE

CE

Product Features

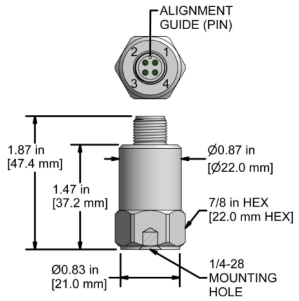
4-20 mA Current Proportional to Vibration in Velocity

- Transmit Signals Over Long Distances with No Signal Loss
- Outputs to PLC, DCS, SCADA

LP202-XXX-M12E

4 Pin Connector

Connector Pin	Polarity
1	(+) Loop Power
2	(-) Loop Power Return
3	Not Used
4	Not Used



Built To Order

Specifications	Standard	Metric
Part Number	LP202-M12E	M/ or M8/LP202-M12E
Tolerance: 4 mA	(± 10%)	
Tolerance: 20 mA	(± 10%)	
Electrical		
Settling Time	<30 Seconds	
Voltage Source	15-30 VDC	
Case Isolation	>10^8 ohm	
Environmental		
Operating Temperature Range	-4 to 212 °F	-20 to 100 °C
Electromagnetic Sensitivity	CE	
Sealing	Welded, Hermetic	

Specifications	Standard	Metric
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	2.9 oz	82 grams
Case Material	316L Stainless Steel	
Mounting Thread	1/4-28 Blind Tapped Hole	
Connector (Non-Integral)	4 Pin M12	
Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Mounting Hardware Supplied	1/4-28 Stud	M6x1 or M8x1.25 Adapter Stud
Calibration Certificate	Current Output @ 100 Hz	

Ordering Information

/LP202 – ☐ ☐ ☐ – ☐☐☐☐ / ☐☐☐ / ☐☐☐

Stud Type

Blank = ¼-28
M = M6x1
M8 = M8x1.25

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 (0-50.8 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

Integral Options

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