

# LP202-M12E Series



VIBRATION ANALYSIS HARDWARE

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



## Product Features

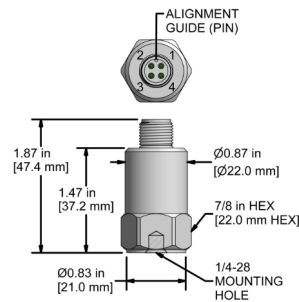
4-20 mA Current Proportional to Vibration in Velocity

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

### LP202-XXX-M12E

4 Pin Connector

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



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	LP202-M12E	M/ or M8/LP202-M12E	<b>Physical</b>		
Tolerance: 4 mA		(± 10%)	Sensing Element	PZT Ceramic	
Tolerance: 20 mA		(± 10%)	Sensing Structure	Shear Mode	
<b>Electrical</b>			Weight	2.9 oz	82 grams
Settling Time	<30 Seconds		Case Material	316L Stainless Steel	
Voltage Source (IEPE)	15-30 VDC		Mounting Thread	1/4-28 Blind Tapped Hole	
Case Isolation	>10 <sup>6</sup> ohm		Connector (Non-Integral)	4 Pin M12	
<b>Environmental</b>			Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Operating Temperature Range	-4 to 212 °F	-20 to 100 °C	Mounting Hardware Supplied	1/4-28 Stud	M6x1 or M8x1.25 Adapter Stud
Electromagnetic Sensitivity	CE		Calibration Certificate	Current Output @ 100 Hz	
Sealing	Welded, Hermetic				

## Ordering Information

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<b>Stud Type</b> Blank = 1/4-28 M = M6x1 M8 = M8x1.25	<b>Measurement Range</b> 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)	<b>Type</b> P = Peak R = RMS	<b>Frequency Range ±3dB</b> 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)	<b>Style</b> 1E = 2 Pin MIL C-5015 2E = Integral Cable 3E = Armor Jacket M12E = 4 Pin M12	<b>Armor Length (Integral)</b> 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	<b>Cable Length (Integral)</b> 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						