

LP202 Series

Loop Power Sensor, 4-20 mA Output Proportional to Vibration in Velocity,
Top Exit 2 Pin Connector



CE



Product Features

4-20 mA Current Proportional to Vibration in Velocity

- ▶ Outputs to PLC, DCS, SCADA
- ▶ Transmit Signals Over Long Distances with No Signal Loss
- ▶ IP68 Rated When Used with IP68 Rated Connectors or Integral Cables

LP202-XXX-1E	LP202-XXX-2E	LP202-XXX-3E																						
2 Pin Connector	CB103 Integral Cable	CB206 Armored Integral Cable																						
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2.08 in [52.7 mm] 1.40 in [35.6 mm] 0.87 in [22.0 mm] 0.35 in [9.1 mm] 1/4-28 MOUNTING HOLE ALIGNMENT GUIDE (PIN)	3.80 in [96.5 mm] 1.40 in [35.6 mm] 0.87 in [22.0 mm] 0.35 in [9.1 mm] 1/4-28 MOUNTING HOLE 0.25 in [6.4 mm]	1.79 in [45.3 mm] 1.40 in [35.6 mm] 0.87 in [22.0 mm] 0.35 in [9.1 mm] 1/4-28 MOUNTING HOLE 0.12 in [3.0 mm] 0.27 in [6.9 mm]																						
Built To Order	Built To Order	Built To Order																						

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	LP202	M/ or M8/LP202	Physical		
Tolerance: 4 mA	(± 10%)		Sensing Element	PZT Ceramic	
Tolerance: 20 mA	(± 10%)		Sensing Structure	Shear Mode	
Electrical			Weight	2.9 oz	82 grams
Settling Time	<30 Seconds		Case Material	316L Stainless Steel	
Voltage Source	15-30 VDC		Mounting Thread	1/4-28 Blind Tapped Hole	
Case Isolation	>10 ⁹ ohm		Connector (Non-Integral)	2 Pin MIL-C-5015	
Environmental			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				
Submersible Depth	200 ft.	60 m			

Ordering Information

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

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