LP202 Series

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

VIBRATION ANALYSIS HARDWARE



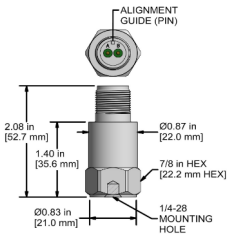
Product Features

Continuously Monitor & Protect Important Machinery

- 4-20 mA current proportional to Vibration
- Transmit Signals Over Long Distances with No Signal Loss
- Customize Your Settings to Focus on the Most Important Frequencies

LP202-XXX-1E
2 Pin Connector

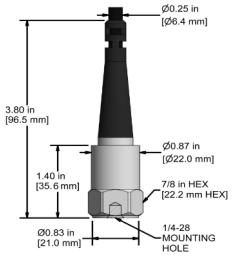
Connector Pin	Polarity
A	(+) Loop Power mA Output
B	(-) Common



Built To Order

LP202-XXX-2E
CB103 Integral Cable

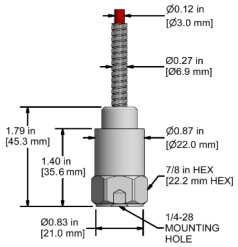
Conductor	Polarity
Red	(+) Loop Power mA Output
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

LP202-XXX-3E
CB206 Armored Integral Cable

Conductor	Polarity
Red	(+) Loop Power mA Output
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

Specifications	Standard	Metric
Part Number	LP202	M/LP202
Tolerance: 4 mA	(± 5%)	
Tolerance: 20 mA	(± 10%)	
Electrical		
Settling Time	<30 Seconds	
Voltage Source (IEPE)	15-30 VDC	
Case Isolation	>10^8 ohm	
Environmental		
Temperature Range	-40 to 212°F	-40 to 100°C
Electromagnetic Sensitivity	CE	
Sealing	Welded, Hermetic	
Submersible Depth	200 ft.	60 m

Specifications	Standard	Metric
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	2.9 oz	82 grams
Case Material	316L Stainless Steel	
Mounting	1/4-28	
Connector (Non-Integral)	2 Pin MIL-C-5015	
Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Mounting Hardware	1/4-28 Stud	M6x1 Adapter Stud
Calibration Certificate	Current Output @ 100 Hz	

Ordering Information

/LP202 – [ ] – [ ] – [ ] [ ] [ ] [ ] / [ ] [ ] [ ] / [ ] [ ] [ ]

Stud Type
- **Blank** = ¼-28
- **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 (0-50.8 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** = 120-150000 CPM (2-2500 Hz)
- **3** = 120-60000 CPM (2-1000 Hz)
- **4** = 120-300000 CPM (2-5000 Hz)
- **5** = 120-600000 CPM (2-10000 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

Backed by our Unconditional Lifetime Warranty

www.ctconline.com | sales@ctconline.com | 585-924-5900