LP204 Series

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

VIBRATION ANALYSIS HARDWARE

CE



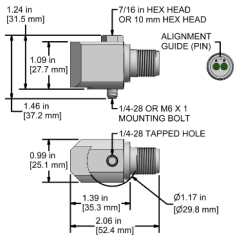
Product Features

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

LP204-XXX-1E
2 Pin Connector

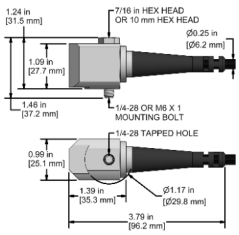
Connector Pin	Polarity
A	(+) Loop Power mA Output
B	(-) Common



Built To Order

LP204-XXX-2E
Integral Cable

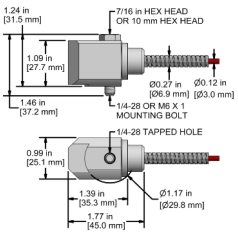
Conductor	Polarity
Red	(+) Loop Power mA Output
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

LP204-XXX-3E
Armored Integral Cable

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



Built To Order

Specifications	Standard	Metric
Part Number	LP204	M/LP204
Tolerance: 4 mA	(± 10%)	
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	4.9 oz	140 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 Captive Bolt	M6x1 Captive Bolt
Calibration Certificate	Current Output @ 100 Hz	

Ordering Information

/LP204 – [ ] [ ] – [ ] [ ] [ ] [ ] [ ] / [ ] [ ] [ ] / [ ] [ ] [ ]

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** = 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

Backed by our Unconditional Lifetime Warranty

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