

LP204 Series

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



VIBRATION ANALYSIS HARDWARE



Product Features

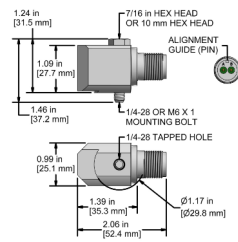
4-20 mA Current Proportional to Vibration in Velocity

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

LP204-XXX-1E

2 Pin Connector

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

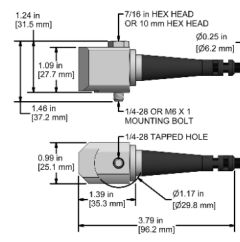


Built To Order

LP204-XXX-2E

Integral Cable

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

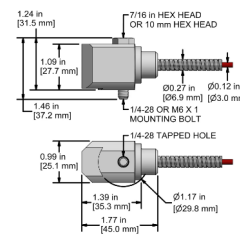


Built To Order

LP204-XXX-3E

Armored Integral Cable

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



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	LP204	M/LP204	<u>Physical</u>		
Tolerance: 4 mA	(± 10%)		Sensing Element	PZT Ceramic	
Tolerance: 20 mA	(± 10%)		Sensing Structure	Shear Mode	
<u>Electrical</u>			Weight	4.9 oz	140 grams
Settling Time	<30 Seconds		Case Material	316L Stainless Steel	
Voltage Source	15-30 VDC		Mounting Thread	1/4-28	
Case Isolation	>10 ⁹ ohm		Connector (Non-Integral)	2 Pin MIL-C-5015	
<u>Environmental</u>			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 Captive Bolt	M6x1 Captive Bolt
Electromagnetic Sensitivity	CE		Calibration Certificate	Current Output @ 100 Hz	
Sealing	Welded, Hermetic				
Submersible Depth	200 ft.	60 m			

Ordering Information

	/LP204 -				-					/			/		
Bolt Type	Measurement Range		Type	Frequency Range ±3dB		Style		Integral Options		Armor Length (Integral)		Cable Length (Integral)			
Blank = 1/4-28 M = M6x1	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															