

# LP304 Series

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



VIBRATION ANALYSIS HARDWARE



## Product Features

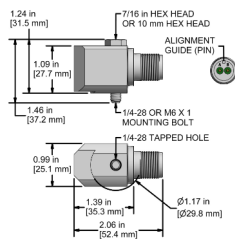
4-20 mA Current Proportional to Vibration in Acceleration

- ▶ Peak and RMS Outputs Available
- ▶ Transmits Signals Over Long Distances with No Signal Loss
- ▶ Outputs to PLC, DCS, SCADA

### LP304-XXX-1E

2 Pin Connector

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

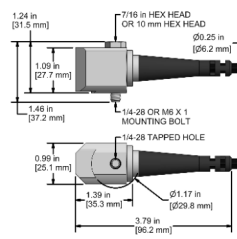


Built To Order

### LP304-XXX-2E

CB105 Integral Cable

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

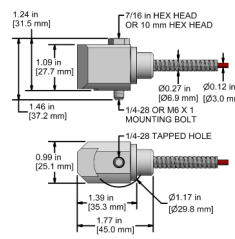


Built To Order

### LP304-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	Specifications	Standard	Metric
Part Number	LP304	M/LP304	<b>Physical</b>		
Tolerance: 4 mA		(± 10%)	Sensing Element		PZT Ceramic
Tolerance: 20 mA		(± 10%)	Sensing Structure		Shear Mode
<b>Electrical</b>			Weight	4.9 oz	140 grams
Settling Time	<60 Seconds		Case Material		316L Stainless Steel
Voltage Source (IEPE)	15-30 VDC		Mounting Thread		1/4-28
Case Isolation	>10 <sup>8</sup> ohm		Connector (Non-Integral)		2 Pin MIL-C-5015
<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 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

<div style="text-align: center;"> <input type="checkbox"/> /LP304 - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> / <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> / <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </div>						
<b>Bolt Type</b> Blank = 1/4-28 M = M6x1	<b>Measurement Range</b> 0 = 0-1 g 2 = 0-2 g 5 = 0-5 g 10 = 0-10 g 20 = 0-20 g	<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>Integral Options</b>	
					<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						

Backed by our Unconditional Lifetime Warranty & Free Annual Recalibration Service

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