

# LPT302 Series

Loop Power Sensor, 4-20 mA Output Proportional to Vibration in Acceleration, Side Exit 6 Pin Connector



VIBRATION ANALYSIS HARDWARE



## Product Features

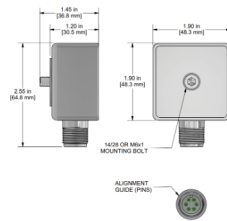
Continuously Monitor & Protect Important Machinery

- ▶ 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

### LPT302-XXX-1A

6 Pin Connector

Connector Pin	Polarity
1 (Axis Y)	(+) Loop Power
2 (Axis X)	(+) Loop Power
3 (Axis Z)	(+) Loop Power
4 (Axis Y)	Return
5 (Axis Z)	(-) Loop Power
6 (Axis X)	(-) Loop Power

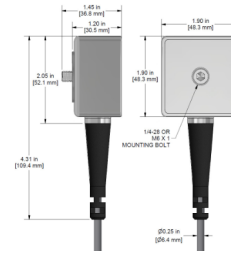


Stock Product

### LPT302-XXX-2A

CB123 Integral Cable

Connector Pin	Polarity
Red (Axis Y)	(+) Loop Power
Green (Axis X)	(+) Loop Power
White (Axis Z)	(+) Loop Power
Black (Axis Y)	(-) Loop Power
Blue (Axis Z)	(-) Loop Power
Brown (Axis X)	(-) Loop Power

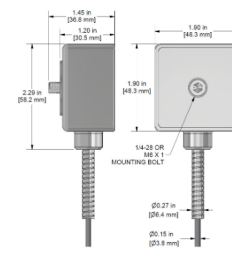


Built To Order

### LPT302-XXX-3A

CB629 Armored Integral Cable

Connector Pin	Polarity
Red (Axis Y)	(+) Loop Power
Green (Axis X)	(+) Loop Power
White (Axis Z)	(+) Loop Power
Black (Axis Y)	(-) Loop Power
Blue (Axis Z)	(-) Loop Power
Brown (Axis X)	(-) Loop Power



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	LPT302	M/LPT302	<b>Physical</b>		
Tolerance: 4 mA	(± 10%)		Sensing Element	PZT Ceramic	
Tolerance: 20 mA	(± 10%)		Sensing Structure	Shear Mode	
<b>Electrical</b>			Weight	3.0 oz	86 grams
Settling Time	<30 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

/LPT302 -

Stud Type
Blank = ¼-28
M = M6x1

Measurement Range
0 = 0-1 g
2 = 0-2 g
5 = 0-5 g
10 = 0-10 g
20 = 0-20 g

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 (3-10000 Hz)

Style
1A = 6 Pin Connector
2A = Integral Cable
3A = Armor Jacket

Integral Options	
<input type="checkbox"/> / <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/> <input type="checkbox"/>
<b>Armor Length (Integral)</b>	<b>Cable Length (Integral)</b>
010 = 10 ft/3 m	010 = 10 ft/3 m
020 = 20 ft/6 m	020 = 20 ft/6 m
030 = 30 ft/9 m	030 = 30 ft/9 m
050 = 50 ft/15 m	050 = 50 ft/15 m
100 = 100 ft/30 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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