

# LP302 Series



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

CE



## Product Features

Acceleration Output for Higher Frequency Applications

- ▶ Peak and RMS Outputs Available
- ▶ Vibrational Alarms for Process Control
- ▶ Outputs to PLC, DCS, SCADA

LP302-XXX-1E	LP302-XXX-2E	LP302-XXX-3E																						
2 Pin Connector	Integral Cable	Armored Integral Cable																						
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Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	LP302	M/LP302	<u>Physical</u>		
Tolerance: 4 mA	(± 10%)		Sensing Element	PZT Ceramic	
Tolerance: 20 mA	(± 10%)		Sensing Structure	Shear Mode	
<u>Electrical</u>			Weight	3.0 oz	86 grams
Settling Time	<30 Seconds		Case Material	316L	
Voltage Source (IEPE)	15–30 VDC		Mounting	Stainless Steel	
Case Isolation	>10 <sup>8</sup> ohm		Connector (Non-Integral)	1/4–28	
<u>Environmental</u>			Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Temperature Range	–40 to 212°F	–40 to 100°C	Mounting Hardware	1/4–28 Stud	M6x1 Adapter Stud
Electromagnetic Sensitivity	CE		Calibration Certificate	Current Output @ 100 Hz	
Sealing	Welded, Hermetic				
Submersible Depth	200 ft.	60 m			

## Ordering Information

<input type="text"/> /LP302 - <input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/> - <input type="text"/>	<b>Integral Options</b> <input type="text"/> / <input type="text"/>	
<b>Stud Type</b> Blank = 1/8-28 M = M6x1	<b>Measurement Range</b> 00 = 0-1 g 02 = 0-2 g 05 = 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> 1B = 2 Pin MIL C-5015 2C = Integral Cable 3C = Armor Jacket M12E = 4 Pin M12	<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
<small>*Custom Lengths Available Upon Request</small>						