

LP302 Series

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



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 2 Pin Connector	LP302-XXX-2E Integral Cable	LP302-XXX-3E Armored Integral Cable																						
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Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	LP302	M/LP302	Physical		
Tolerance: 4 mA	(± 10%)		Sensing Element	PZT Ceramic	
Tolerance: 20 mA	(± 10%)		Sensing Structure	Shear Mode	
Electrical			Weight	3.0 oz	86 grams
Settling Time	<30 Seconds		Case Material	316L Stainless Steel	
Voltage Source (IEPE)	15-30 VDC		Mounting	1/4-28	
Case Isolation	>10 ⁸ ohm		Connector (Non-Integral)	2 Pin MIL-C-5015	
Environmental			Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Temperature Range	-40 to 185°F	-40 to 85°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="checkbox"/> /LP302 - <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>						
Stud Type Blank = 1/4-28 M = M6x1	Measurement Range 0 = 0-1 g 2 = 0-2 g 5 = 0-5 g 10 = 0-10 g 20 = 0-20 g	Range Type P = Peak R = RMS	Frequency Range ±3 dB 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)	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

Backed by our Unconditional Lifetime Warranty