

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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Built To Order	Built To Order	Built To Order																						

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 ⁸ 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

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Stud Type Blank = 1/8-28 M = M6x1	Measurement Range 00 = 0-1 g 02 = 0-2 g 05 = 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 (3-1000 Hz) 4 = 180-300000 CPM (3-5000 Hz) 5 = 180-600000 CPM (3-10000 Hz)	Style 1B = 2 Pin MIL C-5015 2C = Integral Cable 3C = Armor Jacket M12E = 4 Pin M12	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		
*Custom Lengths Available Upon Request									