

LP302 Series



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

VIBRATION ANALYSIS HARDWARE



Product Features

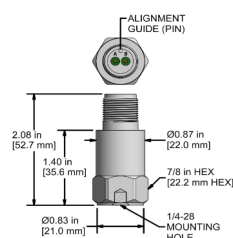
4-20 mA Current Proportional to Vibration in Acceleration

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

-LP302-XXX-1E

2 Pin Connector

Connector Pin	Polarity
A	(+) Loop Power
B	(-) Loop Power
	Return

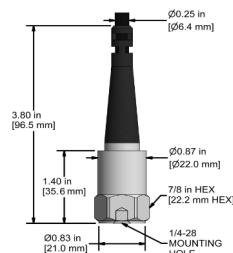


Built To Order

-LP302-XXX-2E

Integral Cable

Conductor	Polarity
Red	(+) Loop Power
Black	(-) Loop Power Return
Shield	Cable Drain Wire

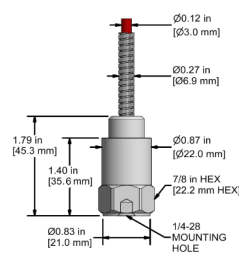


Built To Order

LP302-XXX-3E

Armored Integral Cable

Conductor	Polarity
Red	(+) Loop Power
Black	(-) Loop Power Return
Shield	Cable Drain Wire



Built To Order

Specifications			Standard			Metric		
Part Number			LP302			M/ or M8/LP302		
Tolerance: 4 mA			± 10%					
Tolerance: 20 mA			± 10%					
Electrical								
Settling Time			<30 Seconds					
Voltage Source			15-30 VDC					
Case Isolation			>10 ⁸ ohm					
Environmental								
Operating Temperature Range			-4 to 212 °F			-20 to 100 °C		
Electromagnetic Sensitivity			CE					
Sealing			Welded, Hermetic					
Submersible Depth			200 ft.			60 m		
Physical								
Sensing Element			PZT Ceramic					
Sensing Structure			Shear Mode					
Weight			3.0 oz			86 grams		
Case Material			316L Stainless Steel					
Mounting Thread			1/4-28 Blind Tapped Hole					
Connector (Non-Integral)			2 Pin MIL-C-5015					
Mounting Torque			2 to 5 ft. lbs.			2,7 to 6,8 Nm		
Mounting Hardware Supplied			1/4-28 Stud			M6x1 or M8x1.25 Adapter Stud		
Calibration Certificate			Current Output @ 100 Hz					

Ordering Information

/LP302 -									
Stud Type Blank = ¼-28 M = M6x1 M8 = M8x1.25	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 (3-1000 Hz) 4 = 180-300000 CPM (3-5000 Hz) 5 = 180-600000 CPM (3-10000 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
*Custom Lengths Available Upon Request									