

# LP952-XXX-5XC Series



VIBRATION ANALYSIS HARDWARE

Intrinsically Safe IEC Certified (IECEX) Loop Power Sensor, 4-20 mA Output Proportional to Vibration in Acceleration, Top Exit with Flying Leads



## Product Features

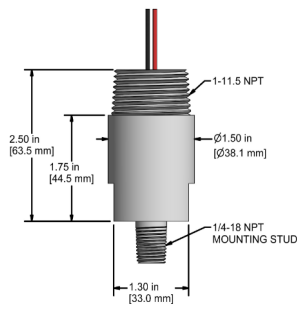
Continuous Monitoring in Hazardous Locations

4-20 mA Current Proportional to Vibration in Acceleration

- ▶ Can be used with IS311-1B Explosion Proof Elbow
- ▶ Requires Energy Limiting Barriers such as IS111-1B
- ▶ Outputs to PLC, DCS, SCADA

### LP952-XXX-51C 1/4 Inch NPT Mount

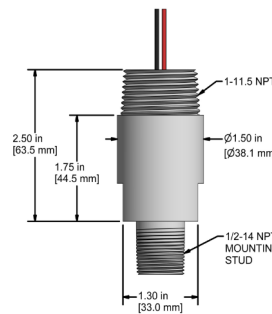
Conductor	Polarity
Red	(+) Loop Power mA Output
Black	(-) Common



Built To Order

### LP952-XXX-52C 1/2 Inch NPT Mount

Conductor	Polarity
Red	(+) Loop Power mA Output
Black	(-) Common



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Tolerance: 4 mA	(± 10%)		<b>Physical</b>		
Tolerance: 20 mA	(± 10%)		Sensing Element	PZT Ceramic	
<b>Electrical</b>			Sensing Structure	Shear Mode	
Settling Time	<60 Seconds		Weight	12 oz	340 grams
Voltage Source (IEPE)	12-28 VDC		Mounting Thread	1/4 NPT (LP952-51C) 1/2 NPT (LP952-52C)	
Case Isolation	>10 <sup>8</sup> ohm		Connector (Non-Integral)	Flying Leads	
<b>Environmental</b>			Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Operating Temperature Range	-4 to 176°F	-20 to 80°C	Calibration Certificate	Current Output @ 100 Hz	
Electromagnetic Sensitivity	CE				
Sealing	Welded, Hermetic				

## Ordering Information

LP		-				
<b>Sensor Type</b>	<b>Measurement Range</b>	<b>Type</b>	<b>Frequency Range ±3dB</b>	<b>Style</b>		
952 = 4-20 mA Acceleration Loop Power (Intrinsically Safe)	0 = 0-1 g	P = Peak	1 = 600-60000 CPM (10-1000 Hz)	51C = 1/4 in. NPT Mounting Stud		