

LP952-XXX-5XC Series

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

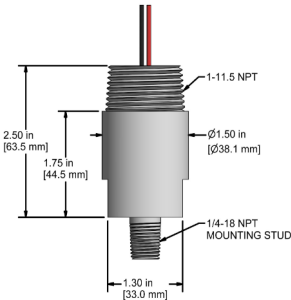


Product Features

- 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

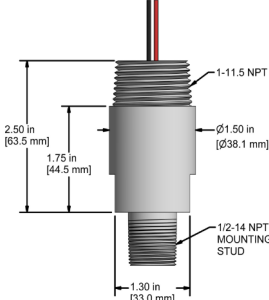
Conductor	Polarity
Red	(+) Loop Power mA Output
Black	(-) Common



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
Tolerance: 4 mA	(± 10%)	
Tolerance: 20 mA	(± 10%)	
Electrical		
Settling Time	<60 Seconds	
Voltage Source (IEPE)	12-28 VDC	
Case Isolation	>10 ⁸ ohm	
Environmental		
Operating Temperature Range	-4 to 176°F	-20 to 80°C
Electromagnetic Sensitivity	CE	
Sealing	Welded, Hermetic	

Specifications	Standard	Metric
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	12 oz	340 grams
Mounting Thread	1/4 NPT (LP952-51C) 1/2 NPT (LP952-52C)	
Connector (Non-Integral)	Flying Leads	
Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Calibration Certificate	Current Output @ 100 Hz	

Ordering Information

LP		-						
Sensor Type		Measurement Range		Type	Frequency Range ±3dB	Style		
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		