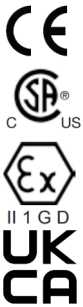


LP902-XXX-51C Series



VIBRATION ANALYSIS HARDWARE

Nonincendive, Intrinsically Safe, CSA North America Class 1, Division 1 and IECEx/ATEX Zone 0,1 Approved Loop Power Sensor, 4-20 mA Output Proportional to Vibration in Acceleration, Top Exit with Flying Leads



Product Features

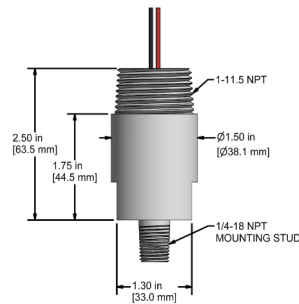
Continuous Monitoring in Hazardous Locations
Acceleration 4-20 mA Output for Applications in Hazardous Locations

- ▶ Can be used with IS311-1B Explosion Proof Elbow
- ▶ Intrinsic safe applications with use of barrier
- ▶ Enables Vibration Alarms for Process Control

LP902-XXX-51C

1/4 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%)	<u>Physical</u>		
Tolerance: 20 mA		(± 10%)	Sensing Element		PZT Ceramic
<u>Electrical</u>			Sensing Structure		Shear Mode
Settling Time	<60 Seconds		Weight	12 oz	340 g
Voltage Source (IEPE)	12-28 VDC		Case Material		316L Stainless Steel
Case Isolation	>10 ⁸ ohm		Mounting Thread		1/4 NPT
<u>Environmental</u>			Connector (Non-Integral)		Flying Leads
Operating Temperature Range	-4 to 176 °F	-20 to 80 °C	Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Electromagnetic Sensitivity		CE	Calibration Certificate		Current Output @ 100 Hz
Sealing		IP68			

Ordering Information

Sensor Type	Measurement Range	Type	Frequency Range ±3dB	Style
902 = 4-20 mA Acceleration Loop Power, Intrinsically Safe 912 = 4-20 mA Acceleration Loop Power, Intrinsically Safe, Low Capacitance	0 = 0-1 g 1 = 0-2 g 5 = 0-5 g 10 = 0-10 g 20 = 0-20 g	P = Peak R = RMS	1 = 600-60000 CPM (10-1000 Hz) 2 = 180-150000 CPM (3-2500 Hz)	51C = 1/4 in. NPT Mounting Stud

Backed by our Unconditional Lifetime Warranty & Free Annual Recalibration Service

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