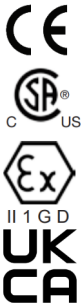


LP902 Series

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



VIBRATION ANALYSIS HARDWARE



Product Features

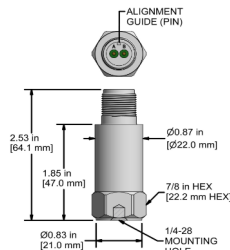
Continuous Monitoring in Hazardous Locations

Works with Standard Cables

- ▶ CSA and ATEX Approvals
- ▶ Requires Energy Limiting Barriers such as IS111 or IS211 Series
- ▶ Vibration Alarms for Process Control

LP902-XXX-1B 2 Pin Connector

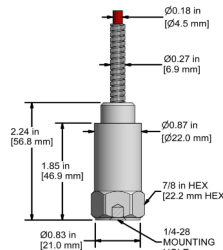
Connector	Polarity
Pin	
A	(+) Loop Power mA Output
B	(-) Common



Built To Order

LP902-XXX-3C Armored Integral Cable

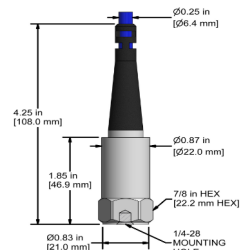
Conductor	Polarity
Red	(+) Loop Power mA Output
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

LP902-XXX-9C Integral Cable

Conductor	Polarity
Red	(+) Loop Power mA Output
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	LP902	M/ or M8/LP902	<u>Physical</u>		
Tolerance: 4 mA	(± 10%)		Sensing Element	PZT Ceramic	
Tolerance: 20 mA	(± 10%)		Sensing Structure	Shear Mode	
<u>Electrical</u>			Weight	3.7 oz	105 grams
Settling Time	<60 Seconds		Case Material	316L Stainless Steel	
Voltage Source (IEPE)	12-28 VDC		Mounting Thread	1/4-28 Blind Tapped Hole	
Case Isolation	>10 ⁸ ohm		Connector (Non-Integral)	2 Pin MIL-C-5015	
<u>Environmental</u>			Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Operating Temperature Range	-4 to 176 °F	-20 to 80 °C	Mounting Hardware Supplied	1/4-28 Stud	M6x1 or M8x1.25 Adapter Stud
Electromagnetic Sensitivity	CE		Calibration Certificate	Current Output @ 100 Hz	
Sealing	Welded, Hermetic				

Ordering Information