

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 Pin	Polarity
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/LP902	Physical		
Tolerance: 4 mA		(± 10%)	Sensing Element		PZT Ceramic
Tolerance: 20 mA		(± 10%)	Sensing Structure		Shear Mode
Electrical			Weight	3.7 oz	105 grams
Settling Time	<60 Seconds		Case Material		316L Stainless Steel
Voltage Source (IEPE)	12-28 VDC		Mounting		1/4-28
Case Isolation	>10 ⁸ ohm		Connector (Non-Integral)		2 Pin MIL-C-5015
Environmental			Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Temperature Range	-40 to 176°F	-40 to 80°C	Mounting Hardware	1/4-28 Stud	M6x1 Adapter Stud
Electromagnetic Sensitivity		CE	Calibration Certificate		Current Output @ 100 Hz
Sealing		Welded, Hermetic			

Backed by our Unconditional Lifetime Warranty

www.ctconline.com | sales@ctconline.com | 585-924-5900