

LP802 Series

Intrinsically Safe Loop Power Sensor, Velocity, 4-20 mA, Top Exit Connector / Cable



PROTECTION & RELIABILITY INSTRUMENTS



Product Features

Continuous Monitoring in Hazardous Locations

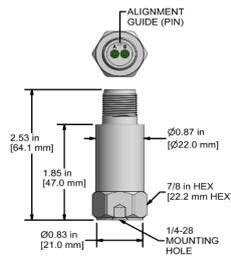
CSA and ATEX Approvals

- ▶ Works with Standard Cables
- ▶ Requires Energy Limiting Barriers such as IS111 or IS211 Series
- ▶ Vibration Alarms for Process Control

LP802-XXX-1B

2 Pin Connector

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

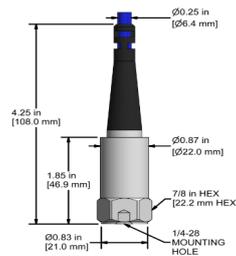


Built To Order

LP802-XXX-3C

Armored Integral Cable

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

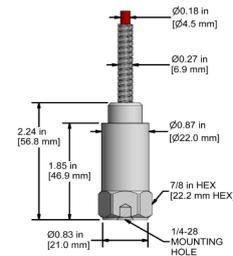


Built To Order

LP802-XXX-9C

Integral Cable

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



Built To Order

Specifications	Standard		Metric	
	Standard	Metric	Standard	Metric
Part Number	LP802		M/LP802	
Tolerance: 4 mA		(± 5%)		
Tolerance: 20 mA		(± 10%)		
Electrical				
Settling Time		<60 Seconds		
Voltage Source (IEPE)		12-28 VDC		
Case Isolation		>10 ⁸ ohm		
Environmental				
Temperature Range		-40 to 176°F		-40 to 80°C
Electromagnetic Sensitivity		CE		
Sealing		Welded, Hermetic		
Physical				
Sensing Element		PZT Ceramic		
Sensing Structure		Shear Mode		
Weight		3.7 oz		105 grams
Case Material		316L Stainless Steel		
Mounting		1/4-28		
Connector (Non-Integral)		2 Pin MIL-C-5015		
Mounting Torque		2 to 5 ft. lbs.		2.7 to 6.8 Nm
Mounting Hardware		1/4-28 Stud		M6x1 Adapter Stud
Calibration Certificate		Current Output @ 100 Hz		

Lifetime Warranty on Materials & Workmanship

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