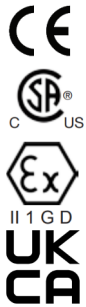


# LP802-XXX-51C Series



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 Velocity, Top Exit with Flying Leads



## Product Features

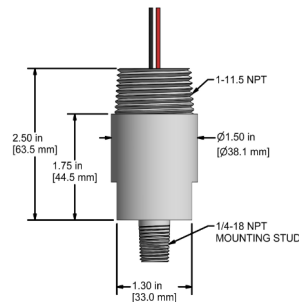
Continuous Monitoring in Hazardous Locations  
Velocity 4-20 mA Output for Applications in Hazardous Locations

- ▶ CSA, IECEx, and ATEX Approvals
- ▶ Intrinsic safe applications with use of barrier
- ▶ With 1 inch NPT conduit fitting and Integral 1/4 - 18 NPT Mounting Stud

### LP802-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 grams
Voltage Source (IEPE)	12-28 VDC		Case Material		316L Stainless Steel
Case Isolation	> 10 <sup>8</sup> 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
<b>802</b> = 4-20 mA Velocity Loop Power, Intrinsically Safe <b>812</b> = 4-20 mA Velocity Loop Power, Intrinsically Safe, Low Capacitance	<b>0</b> = 0-0.5 IPS (0-12.7 mm/sec) <b>1</b> = 0-1 IPS (0-25.4 mm/sec) <b>2</b> = 0-2 IPS (0-50.8 mm/sec) <b>3</b> = 0-0.4 IPS (0-10 mm/sec) <b>4</b> = 0-0.8 IPS (0-20 mm/sec)	<b>P</b> = Peak <b>R</b> = RMS	<b>1</b> = 600-60000 CPM (10-1000 Hz) <b>2</b> = 180-150000 CPM (3-2500 Hz)	<b>51C</b> = 1/4 in. NPT Mounting Stud <b>52C</b> = 1/2 in. NPT Mounting Stud

Backed by our Unconditional Lifetime Warranty & Free Annual Recalibration Service

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