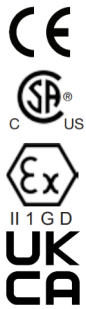


# LP912-XXX-5XC Series



VIBRATION ANALYSIS HARDWARE

Low Capacitance, Intrinsically Safe Loop Power Sensor, 4-20 mA Output Proportional to Vibration in Acceleration, Top Exit with Flying Leads

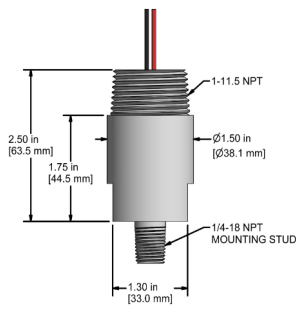


## Product Features

- 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

### LP912-XXX-51C 1/4 inch NPT Mount

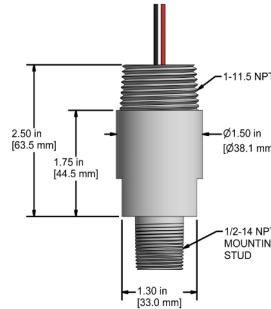
| Conductor | Polarity                 |
|-----------|--------------------------|
| Red       | (+) Loop Power mA Output |
| Black     | (-) Common               |



Built To Order

### LP912-XXX-52C 1/2 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 (LP912-51C)     |               |
| <u>Environmental</u>        |                      |             |                          | 1/2 NPT (LP912-52C)     |               |
| Operating Temperature Range | -4 to 176°F          | -20 to 80°C | Connector (Non-Integral) | Flying Leads            |               |
| Sealing                     | IP68                 |             | Mounting Torque          | 2 to 5 ft. lbs.         | 2,7 to 6,8 Nm |
|                             |                      |             | Calibration Certificate  | Current Output @ 100 Hz |               |

## Ordering Information

LP [ ] [ ] [ ] - [ ] [ ] [ ] [ ] - [ ] [ ] [ ] [ ]