

# LP802-XXX-5XC Series



VIBRATION ANALYSIS HARDWARE

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



## Product Features

Continuous Monitoring in Hazardous Locations

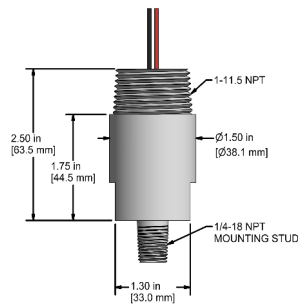
Velocity 4-20 mA Output for Applications in Hazardous Locations

- ▶ CSA 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               |

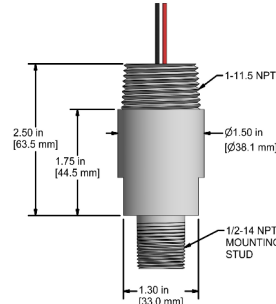


Built To Order

### LP802-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                 |                | 1/4 NPT (LP802-51C)<br>1/2 NPT (LP802-52C) |
| <u>Environmental</u>        |                       |             | Connector (Non-Integral) |                | Flying Leads                               |
| Temperature Range           | -40 to 176°F          | -40 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        |                          |                |  |

Backed by our Unconditional Lifetime Warranty

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