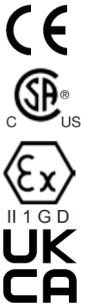


# LP802 Series



Intrinsically Safe Loop Power Sensor, 4-20 mA Output Proportional to Vibration in Velocity, Top Exit 2 Pin Connector

VIBRATION ANALYSIS HARDWARE



## Product Features

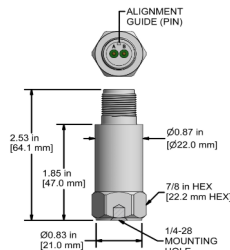
4-20 mA Output Proportional to Vibration in Velocity

CSA and ATEX Approvals

- ▶ Requires Energy Limiting Barriers such as IS111
- ▶ Transmit Signals Over Long Distances with No Signal Loss
- ▶ Outputs to PLC, DCS, SCADA

### LP802-XXX-1B 2 Pin Connector

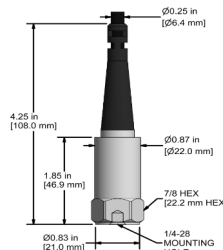
| Connector Pin | Polarity                 |
|---------------|--------------------------|
| A             | (+) Loop Power mA Output |
| B             | (-) Common               |



Built To Order

### LP802-XXX-2C Integral Cable

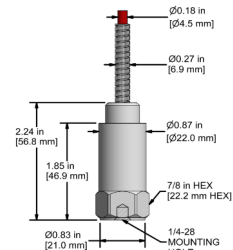
| Conductor | Polarity                 |
|-----------|--------------------------|
| Red       | (+) Loop Power mA Output |
| Black     | (-) Common               |
| Shield    | Cable Drain Wire         |



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

| Specifications              | Standard             | Metric         | Specifications             | Standard                 | Metric                       |
|-----------------------------|----------------------|----------------|----------------------------|--------------------------|------------------------------|
| Part Number                 | LP802                | M/ or M8/LP802 | <b>Physical</b>            |                          |                              |
| Tolerance: 4 mA             | (± 10%)              |                | Sensing Element            | PZT Ceramic              |                              |
| Tolerance: 20 mA            | (± 10%)              |                | Sensing Structure          | Shear Mode               |                              |
| <b>Electrical</b>           |                      |                | Weight                     | 3.7 oz                   | 105 grams                    |
| Settling Time               | <60 Seconds          |                | Case Material              | 316L Stainless Steel     |                              |
| Voltage Source (IEPE)       | 12-28 VDC            |                | Mounting Thread            | 1/4-28 Blind Tapped Hole |                              |
| Case Isolation              | >10 <sup>8</sup> ohm |                | Connector (Non-Integral)   | 2 Pin MIL-C-5015         |                              |
| <b>Environmental</b>        |                      |                | Mounting Torque            | 2 to 5 ft. lbs.          | 2,7 to 6,8 Nm                |
| Operating Temperature Range | -4 to 176 °F         | -20 to 80 °C   | Mounting Hardware Supplied | 1/4-28 Stud              | M6x1 or M8x1.25 Adapter Stud |
| Electromagnetic Sensitivity | CE                   |                | Calibration Certificate    | Current Output @ 100 Hz  |                              |
| Sealing                     | Welded, Hermetic     |                |                            |                          |                              |

## Ordering Information