

# LP204 Series

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



VIBRATION ANALYSIS HARDWARE



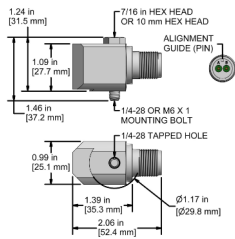
## Product Features

4-20 mA Current Proportional to Vibration in Velocity

- ▶ Transmit Signals Over Long Distances with No Signal Loss
- ▶ Outputs to PLC, DCS, SCADA

### LP204-XXX-1E 2 Pin Connector

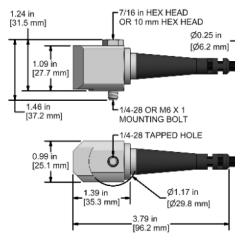
| Connector Pin | Polarity                 |
|---------------|--------------------------|
| A             | (+) Loop Power mA Output |
| B             | (-) Common               |



Built To Order

### LP204-XXX-2E Integral Cable

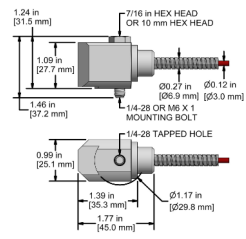
| Conductor | Polarity                 |
|-----------|--------------------------|
| Red       | (+) Loop Power mA Output |
| Black     | (-) Common               |
| Shield    | Cable Drain Wire         |



Built To Order

### LP204-XXX-3E 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                 | LP204                | M/LP204      | <b>Physical</b>            |                         |                   |
| Tolerance: 4 mA             | (± 10%)              |              | Sensing Element            | PZT                     |                   |
| Tolerance: 20 mA            | (± 10%)              |              | Sensing Structure          | Ceramic                 |                   |
| <b>Electrical</b>           |                      |              | Weight                     | 4.9 oz                  | 140 grams         |
| Settling Time               | <30 Seconds          |              | Case Material              | 316L                    |                   |
| Voltage Source (IEPE)       | 15-30 VDC            |              | Mounting Thread            | Steel                   |                   |
| Case Isolation              | >10 <sup>8</sup> ohm |              | Connector (Non-Integral)   | 1/4-28                  |                   |
| <b>Environmental</b>        |                      |              | Mounting Torque            | 2 to 5 ft. lbs.         | 2,7 to 6,8 Nm     |
| Operating Temperature Range | -4 to 212°F          | -20 to 100°C | Mounting Hardware Supplied | 1/4-28 Captive Bolt     | M6x1 Captive Bolt |
| Electromagnetic Sensitivity | CE                   |              | Calibration Certificate    | Current Output @ 100 Hz |                   |
| Sealing                     | Welded, Hermetic     |              |                            |                         |                   |
| Submersible Depth           | 200 ft.              | 60 m         |                            |                         |                   |

## Ordering Information

Integral Options