



## LP284-M12E Series

Loop Power Sensor, 4-20 mA Output Proportional to Vibration in Velocity, Side Exit 4 Pin Connector, M8x1.25 Captive Bolt



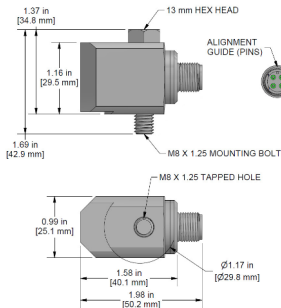
### Product Features

4-20 mA Current Proportional to Vibration in Velocity

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

### LP284-XXX-M12E 4 Pin Connector

| Connector Pin | Polarity         |
|---------------|------------------|
| 1             | (+) Signal/Power |
| 2             | (-) Common       |
| 3             | Not Used         |
| 4             | Not Used         |



Built To Order

| Specifications              | Standard             | Metric       | Specifications             | Standard             | Metric            |
|-----------------------------|----------------------|--------------|----------------------------|----------------------|-------------------|
| Part Number                 | LP284-M12E           | M/LP284-M12E | <u>Physical</u>            |                      |                   |
| Tolerance: 4 mA             |                      | (± 10%)      | Sensing Element            |                      | PZT Ceramic       |
| Tolerance: 20 mA            |                      | (± 10%)      | Sensing Structure          |                      | Shear Mode        |
| <u>Electrical</u>           |                      |              |                            |                      |                   |
| Settling Time               | <30 Seconds          |              | Weight                     | 5.8 oz               | 164 grams         |
| Voltage Source (IEPE)       | 15-30 VDC            |              | Case Material              | 316L Stainless Steel |                   |
| Case Isolation              | >10 <sup>8</sup> ohm |              | Mounting Thread            | 1/4-28               |                   |
| <u>Environmental</u>        |                      |              | Connector (Non-Integral)   | 4 Pin M12            |                   |
| Operating Temperature Range | -4 to 212°F          | -20 to 100°C | Mounting Torque            | 2 to 5 ft. lbs.      | 2,7 to 6,8 Nm     |
| Electromagnetic Sensitivity | CE                   |              | Mounting Hardware Supplied | 1/4-28 Captive Bolt  | M6x1 Captive Bolt |
| Sealing                     | Welded, Hermetic     |              |                            |                      |                   |
| Submersible Depth           | 200 ft.              | 30 m         | Calibration Certificate    |                      |                   |
|                             |                      |              | Current Output @ 100 Hz    |                      |                   |

### Ordering Information