

Loop Power Sensor, Acceleration, 4-20 mA Output, Top Exit M12 Connector



Actual Product Size Shown

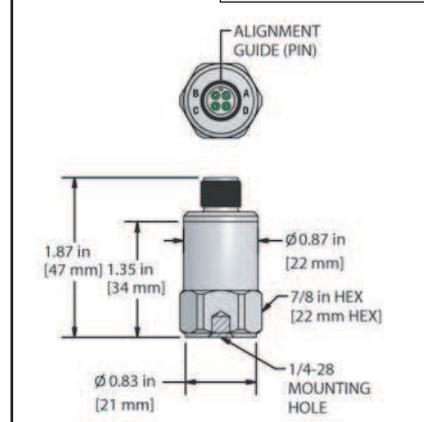
Product Features

Continuously Monitor & Protect Important Machinery

- 4-20 mA current proportional to Vibration
- Transmit Signals Over Long Distances with No Signal Loss
- Customize Your Settings to Focus on the Most Important Frequencies

LP302-M12D
4 Pin Connector

| Connector Pin | Polarity |
|---------------|------------------|
| A | (+) Signal/Power |
| B | (-) Common |
| C | Not Used |
| D | Not Used |



| Specifications | Standard | Metric |
|---|----------------------|-------------|
| Output, 4-20 mA | See Selection Guide | |
| Measurement Range | | |
| <u>Tolerances</u> | | |
| 4 mA | (± 5%) | |
| 20 mA | (± 10%) | |
| <u>Electrical</u> | | |
| Settling Time (Turn on Time) @ Room Temp (68° F/20° C) | <30 Seconds | |
| Power Requirement (Loop Powered) Voltage Source | 15-30 VDC | |
| Electrical Case Isolation | >10 ⁸ ohm | |
| <u>Environmental</u> | | |
| Temperature Range | -40 to 185°F | -40 to 85°C |
| Electromagnetic Sensitivity | CE | |
| Sealing | IP68 | |

| Specifications | Standard | Metric |
|-----------------------------|-------------------------|-------------------|
| <u>Physical</u> | | |
| Sensing Element | PZT Ceramic | |
| Sensing Structure | Shear Mode | |
| Weight | 2.9 oz | 82 grams |
| Case Material | 316L Stainless Steel | |
| Mounting | 1/4-28 | |
| Connector (LP302-XXX-M12D) | 4 Pin M12 | |
| <u>Mechanical</u> | | |
| Mounting Torque | 2 to 5 ft. lbs. | 2,7 to 6,8 Nm |
| <u>Supplied Accessories</u> | | |
| Mounting Hardware | 1/4-28 Stud | M6x1 Adapter Stud |
| Calibration Certificate | Current Output @ 100 Hz | |

Ordering Information



| Stud Type | Measurement Range | Range Type | Frequency Range +/- 3dB | Style |
|--------------------------------|---|---------------------|---|------------------|
| M = M6x1 (blank for 1/4-28) | 0 = 0-1 g 2 = 0-2 g 5 = 0-5 g 10 = 0-10 g 20 = 0-20 g | R = RMS P = Peak | 1 = 600-60,000 CPM (10-1000 Hz) 2 = 180-150,000 CPM (3-2500 Hz) 3 = 180-60,000 CPM (3-1000 Hz) 4 = 180-300,000 CPM (3-5000 Hz) 5 = 180-600,000 CPM (3-10000 Hz) | M12D = 4 Pin M12 |



Lifetime Warranty on Materials & Workmanship



Section 6 - BROUING LINE