

LP402 Series

Dual Output Sensor, Loop Power, 4-20 mA, Velocity, Dynamic Acceleration



PROTECTION & RELIABILITY INSTRUMENTS



Product Features

Offers Continuous Protection Plus Dynamic Outputs for Diagnostics

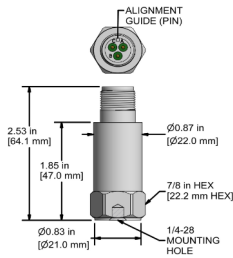
IEPE Sensor Power Not Required

- ▶ 4-20 mA Velocity and Acceleration Outputs
- ▶ Analytical Tool
- ▶ Outputs to PLC, DCS, SCADA

LP402-XXX-1B

3 Pin Connector

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

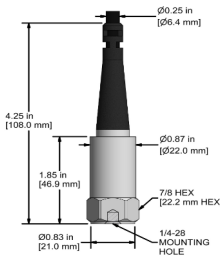


Built To Order

LP402-XXX-2C

Integral Cable

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

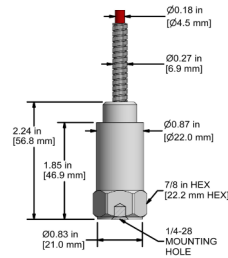


Built To Order

LP402-XXX-3C

Armored Integral Cable

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



Built To Order

| Specifications | Standard | Metric | Specifications | Standard | Metric |
|-----------------------------|----------------------|-------------|--------------------------|----------------------|-------------------|
| Part Number | LP402 | M/LP402 | <u>Physical</u> | | |
| Sensitivity (±10%) | | 100mV/g | Sensing Element | PZT Ceramic | |
| Frequency Response (±3dB) | 120-900,000 CPM | | Sensing Structure | Shear Mode | |
| Tolerance: 4 mA | | (± 5%) | Weight | 3.7 oz | 105 grams |
| Tolerance: 20 mA | | (± 10%) | Case Material | 316L Stainless Steel | |
| <u>Electrical</u> | | | Mounting | 1/4-28 | |
| Settling Time | <60 Seconds | | Connector (Non-Integral) | 3 Pin MIL-C-5015 | |
| Voltage Source (IEPE) | 12-28 VDC | | Mounting Torque | 2 to 5 ft. lbs. | 2,7 to 6,8 Nm |
| Case Isolation | >10 ⁸ ohm | | Mounting Hardware | 1/4-28 Stud | M6x1 Adapter Stud |
| <u>Environmental</u> | | | Calibration Certificate | CA10 (dynamic) | |
| Temperature Range | -40 to 185°F | -40 to 85°C | | | |
| Electromagnetic Sensitivity | CE | | | | |
| Sealing | Welded, Hermetic | | | | |
| Submersible Depth | 200 ft. | 60 m | | | |

Lifetime Warranty on Materials & Workmanship

www.ctconline.com | sales@ctconline.com | 585-924-5900