

# LP362 Series



VIBRATION ANALYSIS HARDWARE

Dual Output Loop Power Sensor, 4-20 mA Output Proportional to Vibration in Acceleration with °C Temperature Output, Top Exit 3 Pin Connector



## Product Features

4-20 mA Current Proportional to Vibration in Acceleration

- ▶ Peak and RMS Outputs Available
- ▶ Transmits Signals Over Long Distances with No Signal Loss
- ▶ Outputs to PLC, DCS, SCADA

### LP362-XXX-1E

3 Pin Connector

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

**Built To Order**

### LP362-XXX-2E

CB105 Molded Integral Cable

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

**Built To Order**

### LP362-XXX-3E

CB218 Armored Integral Cable

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

**Built To Order**

| Specifications              | Standard                                | Metric       | Specifications             | Standard                 | Metric            |
|-----------------------------|---|--------------|----------------------------|--------------------------|-------------------|
| Part Number                 | LP362                                   | M/LP362      | <u>Physical</u>            |                          |                   |
| Temperature Output          | 10 mV/°C within the range -40°C to 85°C |              | Sensing Element            | PZT Ceramic              |                   |
| Tolerance: 4 mA             | (± 10%)                                 |              | Sensing Structure          | Shear Mode               |                   |
| Tolerance: 20 mA            | (± 10%)                                 |              | Weight                     | 2.0 oz                   | 86 grams          |
| Tolerance: Temperature      | (± 5°C)                                 |              | Case Material              | 316L Stainless Steel     |                   |
| <u>Electrical</u>           |   |              | Mounting Thread            | 1/4-28 Blind Tapped Hole |                   |
| Settling Time               | <30 Seconds                             |              | Connector (Non-Integral)   | 3 Pin MIL-C-5015         |                   |
| Voltage Source (IEPE)       | 15-30 VDC                               |              | Mounting Torque            | 2 to 5 ft. lbs.          | 2,7 to 6,8 Nm     |
| Case Isolation              | >10 <sup>8</sup> ohm                    |              | Mounting Hardware Supplied | 1/4-28 Stud              | M6x1 Adapter Stud |
| <u>Environmental</u>        |   |              | Calibration Certificate    | Current Output @ 100 Hz  |                   |
| Operating Temperature Range | -4 to 212°F                             | -20 to 100°C |                            |                          |                   |
| Electromagnetic Sensitivity | CE                                      |              |                            |                          |                   |
| Sealing                     | Welded, Hermetic                        |              |                            |                          |                   |
| Submersible Depth           | 200 ft.                                 | 60 m         |                            |                          |                   |

## Ordering Information

/LP362 -    -   /    /

| Stud Type                  | Measurement Range  | Type                | Frequency Range ±3dB  | Style   | Armor Length (Integral)  | Cable Length (Integral)  |
|----------------------------|--|---------------------|---|---|--|--|
| Blank = 1/4-28<br>M = M6x1 | 00 = 0-1 g<br>02 = 0-2 g<br>05 = 0-5 g<br>10 = 0-10 g<br>20 = 0-20 g | P = Peak<br>R = RMS | 1 = 600-60000 CPM (10-1000 Hz)<br>2 = 180-150000 CPM (3-2500 Hz)<br>3 = 180-60000 CPM (3-1000 Hz)<br>4 = 180-300000 CPM (3-5000 Hz) | 1E = 2 Pin MIL C-5015<br>2E = Integral Cable<br>3E = Armor Jacket | 010 = 10 ft/3 m<br>020 = 20 ft/6 m<br>030 = 30 ft/9 m<br>050 = 50 ft/15 m<br>100 = 100 ft/30 m | 010 = 10 ft/3 m<br>020 = 20 ft/6 m<br>030 = 30 ft/9 m<br>050 = 50 ft/15 m<br>100 = 100 ft/30 m |

Backed by our Unconditional Lifetime Warranty

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Custom Lengths Available Upon Request