

# LP662 Series

Premium 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

New 2nd-Order Filters Deliver Sharper Response and Greater Stopband Attenuation for Cleaner Measurements

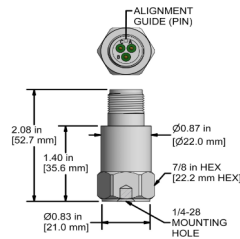
Enhanced Temperature Range of -40 to 257 °F (-40 to 125 °C), and Other Improved Specs Including:

- ▶ Capable of a 2 Hz Low Frequency Response
- ▶ New Measurement Ranges of 0 to 0.25 g & 0 to 0.5 g

### LP662-XXX-1A

3 Pin Connector

| Connector Pin | Polarity                |
|---------------|-------------------------|
| A             | (+) Loop Power          |
| B             | (-) Loop Power Return   |
| C             | (+) Temperature Voltage |

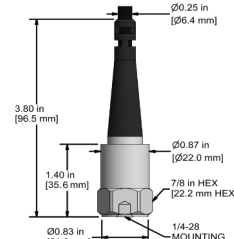


Built To Order

### LP662-XXX-2A

CB105 Molded Integral Cable

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

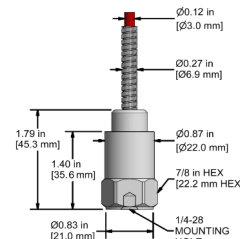


Built To Order

### LP662-XXX-3A

CB218 Armored Integral Cable

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



Built To Order

| Specifications              | Standard                               | Metric         | Specifications             | Standard                 | Metric                       |
|-----------------------------|----------------------------------------|----------------|----------------------------|--------------------------|------------------------------|
| Part Number                 | LP662                                  | M/ or M8/LP662 | Physical                   |                          |                              |
| Temperature Output          | 10 mV/°C within the range -40 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     |                              |
| Electrical                  |                                        |                | Mounting Thread            | 1/4-28 Blind Tapped Hole |                              |
| Settling Time               | <30 Seconds                            |                | Connector (Non-Integral)   | 3 Pin MIL-C-5015         |                              |
| Voltage Source              | 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 or M8x1.25 Adapter Stud |
| Environmental               |                                        |                | Calibration Certificate    | Current Output @ 100 Hz  |                              |
| Operating Temperature Range | -40 to 257 °F                          | -40 to 125 °C  |                            |                          |                              |
| Electromagnetic Sensitivity | CE                                     |                |                            |                          |                              |
| Sealing                     | Welded, Hermetic                       |                |                            |                          |                              |
| Submersible Depth           | 200 ft.                                | 60 m           |                            |                          |                              |

## Ordering Information

|                                          |                                                                                                |                     |                                                                                                                                                                        |                                                                                       |                                                                                                |                                                                                                |  |   |  |
|------------------------------------------|------------------------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--|---|--|
| /LP662 -                                 |                                                                                                |                     |                                                                                                                                                                        |                                                                                       |                                                                                                | /                                                                                              |  | / |  |
| Stud Type                                | Measurement Range                                                                              | Type                | Frequency Range ±3dB                                                                                                                                                   | Style                                                                                 | Armor Length (Integral)                                                                        | Cable Length (Integral)                                                                        |  |   |  |
| Blank = ¼-28<br>M = M6x1<br>M8 = M8x1.25 | 0 = 0-0.25 g<br>1 = 0-0.5 g<br>2 = 0-1 g<br>3 = 0-2 g<br>4 = 0-5 g<br>5 = 0-10 g<br>6 = 0-20 g | P = Peak<br>R = RMS | 1 = 600-60000 CPM (10-1000 Hz)<br>2 = 120-150000 CPM (2-2500 Hz)<br>3 = 120-60000 CPM (2-1000 Hz)<br>4 = 120-300000 CPM (2-5000 Hz)<br>5 = 120-600000 CPM (2-10000 Hz) | 1A = 3 Pin MIL C-5015<br>2A = Integral Cable<br>3A = Armor Jacket<br>M12A = 4 Pin M12 | 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 |  |   |  |
|                                          |                                                                                                |                     |                                                                                                                                                                        |                                                                                       |                                                                                                | *Custom Lengths Available Upon Request                                                         |  |   |  |