

Low Capacitance, IEC Certified (IECEx), Loop Power Sensor, Velocity, 4-20 mA, Top Exit Connector/Cable

Actual Product Size Shown

IECEx



Product Features

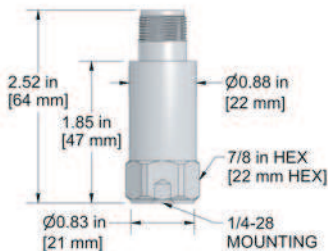
Continuous Monitoring in Hazardous Locations

- Works with Standard Cables
- Requires Energy Limiting Barriers such as IS111 or IS211 Series
- IECEx Certification

LP862-1B 2 Pin Connector

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

ALIGNMENT GUIDE (PIN)



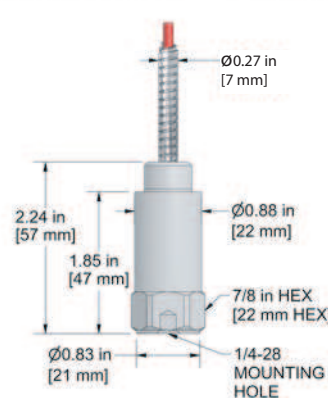
LP862-2C Integral Cable

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



LP862-3C Armored Integral Cable

| Conductor | Polarity |
|-----------|--------------------|
| Red | (+) Signal / Power |
| Black | (-) Common |
| Shield | Cable Drain Wire |



| 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) | <60 Seconds | |
| Power Requirement (Loop Powered) Voltage Source | 12-28 VDC | |
| Electrical Case Isolation | >10 ⁸ ohm | |
| <u>Environmental</u> | | |
| Temperature Range | -40 to 176°F | -40 to 80°C |
| Electromagnetic Sensitivity | CE | |
| Sealing | IP68 | |

| Specifications | Standard | Metric |
|--------------------------------|-----------------------------|-------------------|
| <u>Physical</u> | | |
| Sensing Element | PZT Ceramic | |
| Sensing Structure | Shear Mode | |
| Weight (without cable) | 3.7 oz | 105 grams |
| Case Material | 316L Stainless Steel | |
| Mounting Hole | 1/4-28 | |
| Connector (LP862-1B) | 2 Pin MIL-C-5015 | |
| Integral Cable (LP862-2C) | Polyurethane Jacketed Cable | |
| Armored Cable (LP862-3C) | Armor Jacketed Cable | |
| <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

All Products Are Built To Order

/LP862 - - / / - Z

| Stud Type | Measurement Range | Range Type | Frequency Range +/- 3dB | Style | Armor Length (Integral) | Cable Length (Integral) |
|--------------------------------|---|---------------------|--|---|---|---|
| M = M6x1 (blank for 1/4-28) | 0 = 0-0.5 IPS (0-12.7 mm/sec) 1 = 0-1 IPS (0-25.4 mm/sec) 2 = 0-2 IPS (0-50.8 mm/sec) 3 = 0-10 mm/sec (0-0.4 IPS) 4 = 0-20 mm/sec (0-0.8 IPS) | R = RMS P = Peak | 1 = 600-60,000 CPM (10-1000 Hz) 2 = 180-150,000 CPM (3-2500 Hz) | 1B = 2 Pin MIL C-5015 2C = Integral Cable 3C = Armor Jacket | 010 = 10 ft. (3 m) 020 = 20 ft. (6 m) 030 = 30 ft. (9 m) 050 = 50 ft. (15 m) 100 = 100 ft. (30 m) <i>(Custom lengths available upon request)</i> | 010 = 10 ft. (3 m) 020 = 20 ft. (6 m) 030 = 30 ft. (9 m) 050 = 50 ft. (15 m) 100 = 100 ft. (30 m) <i>(Custom lengths available upon request)</i> |



Read Before Purchasing: Important information on Regulatory Approvals and Requirements on Page 362

Lifetime Warranty on Materials & Workmanship