

# LP264 Series

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



## Product Features

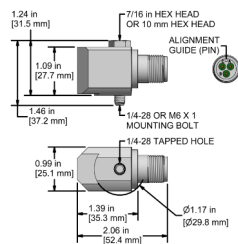
4-20 mA Current Proportional to Vibration in Velocity

- ▶ Transmit Signals Over Long Distances with No Signal Loss
- ▶ Outputs to PLC, DCS, SCADA

### LP264-XXX-1E

3 Pin Connector

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

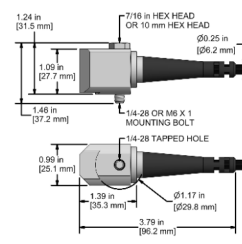


Built To Order

### LP264-XXX-2E

CB105 Molded Integral Cable

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

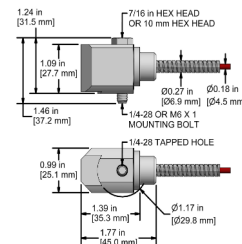


Built To Order

### LP264-XXX-3E

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                 | LP264                                  | M/LP264      | Physical                   |                         |                   |
| Temperature Output          | 10 mV/°C within the range -20 to 100°C |              | Sensing Element            | PZT Ceramic             |                   |
| Tolerance: 4 mA             | (± 10%)                                |              | Sensing Structure          | Shear Mode              |                   |
| Tolerance: 20 mA            | (± 10%)                                |              | Weight                     | 4.9 oz                  | 140 grams         |
| Tolerance: Temperature      | (± 5°C)                                |              | Case Material              | 316L Stainless Steel    |                   |
| Electrical                  |                                        |              | Mounting Thread            | 1/4-28                  |                   |
| 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 Captive Bolt     | M6x1 Captive Bolt |
| Environmental               |                                        |              | 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

| <input type="checkbox"/> /LP264 - <input type="checkbox"/> | <input type="checkbox"/>                                                                                                                                                                | <input type="checkbox"/> | <input type="checkbox"/>                                                                                                                                               | <input type="checkbox"/>                                          | <input type="checkbox"/> |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------|
| Bolt Type                                                  | Measurement Range                                                                                                                                                                       | Type                     | Frequency Range ±3dB                                                                                                                                                   | Style                                                             |                          |
| Blank = 1/4-28<br>M = M6x1                                 | 0 = 0-0.5 IPS (0-12.7 mm/sec)<br>1 = 0-1 IPS (0-25.4 mm/sec)<br>2 = 0-2 IPS (0-50.8 mm/sec)<br>3 = 0-0.4 IPS (0-10 mm/sec)<br>4 = 0-0.8 IPS (0-20 mm/sec)<br>6 = 0-5 IPS (0-127 mm/sec) | 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)<br>5 = 180-600000 CPM (3-10000 Hz) | 1E = 3 Pin MIL C-5015<br>2E = Integral Cable<br>3E = Armor Jacket |                          |

| Integral Options                                                                               |                                                                                                |
|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| / <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                   | / <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                   |
| Armor Length (Integral)                                                                        | Cable Length (Integral)                                                                        |
| 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                                                         |                                                                                                |