

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



VIBRATION ANALYSIS HARDWARE



Product Features

Continuously Monitor & Protect Important Machinery with 4-20 and Temperature Outputs

- ▶ 4-20 mA current proportional to Vibration
- ▶ Transmit Signals Over Long Distances with No Signal Loss
- ▶ Customize Your Settings to Focus on the Most Important Frequencies

| Specifications | Standard | Metric | Specifications | Standard | Metric |
|-----------------------------|--------------------------------|--------------|--------------------------|-------------------------|-------------------|
| Part Number | LP264 | | Physical | | |
| Temperature Output | 10 mV/°C | | Sensing Element | PZT Ceramic | |
| | within the range -40°C to 85°C | | Sensing Structure | Shear Mode | |
| Tolerance: 4 mA | (± 10%) | | Weight | 4.9 oz | 140 grams |
| Tolerance: 20 mA | (± 20%) | | Case Material | 316L Stainless Steel | |
| Tolerance: Temperature | (± 5°C) | | Mounting | 1/4-28 | |
| Electrical | | | Connector (Non-Integral) | 3 Pin MIL-C-5015 | |
| Settling Time | <30 Seconds | | Mounting Torque | 2 to 5 ft. lbs. | 2,7 to 6,8 Nm |
| Voltage Source (IEPE) | 15-30 VDC | | Mounting Hardware | 1/4-28 Captive Bolt | M6x1 Captive Bolt |
| Case Isolation | >10 ⁸ ohm | | Calibration Certificate | Current Output @ 100 Hz | |
| Environmental | | | | | |
| Temperature Range | -40 to 212°F | -40 to 100°C | | | |
| Electromagnetic Sensitivity | CE | | | | |
| Sealing | Welded, Hermetic | | | | |
| Submersible Depth | 200 ft. | 60 m | | | |

Ordering Information

| Integral Options | | | | | | |
|--|---|---------------------|--|---|--|--|
| Stud Type | Measurement Range | Type | Frequency Range ±3dB | Style | Armor Length (Integral) | Cable Length (Integral) |
| Blank = 1/4-28 M = M6x1 | 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 = 0-0.4 IPS (0-10 mm/sec) 4 = 0-0.8 IPS (0-20 mm/sec) 6 = 0-5 IPS (0-127 mm/sec) | P = Peak R = RMS | 1 = 600-60000 CPM (10-1000 Hz) 2 = 180-150000 CPM (3-2500 Hz) 3 = 180-60000 CPM (3-1000 Hz) 4 = 180-300000 CPM (3-5000 Hz) 5 = 180-600000 CPM (3-10000 Hz) | 1E = 2 Pin MIL C-5015 2E = Integral Cable 3E = 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 | 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 |
| *Custom Lengths Available Upon Request | | | | | | |

Backed by our Unconditional Lifetime Warranty

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