

LP564 Series

Premium 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

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

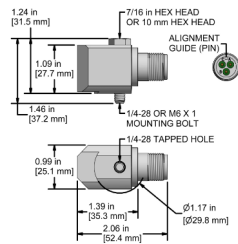
Enhanced Temperature Range of -40 to 257 °F (-40 to 125 °C), and Other Improved Specs Including:

- ▶ Capable of a 2 Hz Low Frequency Response
- ▶ Secondary ISO Band Now Available: 2 Hz - 1 kHz Filter Range

LP564-XXX-1A

3 Pin Connector

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

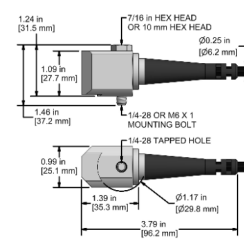


Built To Order

LP564-XXX-2A

CB105 Molded Integral Cable

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

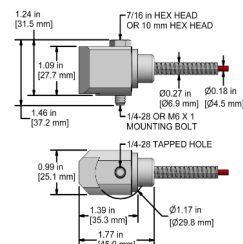


Built To Order

LP564-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	LP564	M/LP564	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	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 ⁸ ohm		Mounting Hardware Supplied	1/4-28 Captive Bolt	M6x1 Captive Bolt
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

/LP564 -						Integral Options	
Bolt Type		Measurement Range		Type		Frequency Range ±3dB	
Blank = 1/4-28 M = M6x1		0 = 0-0.4 IPS (0-10 mm/sec) 1 = 0-0.5 IPS (0-12.7 mm/sec) 2 = 0-0.8 IPS (0-20 mm/sec) 3 = 0-1.0 IPS (0-25.4 mm/sec) 4 = 0-2.0 IPS (0-50.8 mm/sec) 6 = 0-5.0 IPS (0-127 mm/sec)		P = Peak R = RMS		1 = 600-60000 CPM (10-1000 Hz) 2 = 120-150000 CPM (2-2500 Hz) 3 = 120-60000 CPM (2-1000 Hz) 4 = 120-300000 CPM (2-5000 Hz) 5 = 120-600000 CPM (2-10000 Hz)	
Style		Armor Length (Integral)		Cable Length (Integral)		*Custom Lengths Available Upon Request	
1A = 3 Pin MIL C-5015 2A = Integral Cable 3A = Armor Jacket M12A = 4 Pin M12		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			