LP384 Series

Loop Power Sensor, 4-20 mA Output Proportional to Vibration in Acceleration, Side Exit 2 Pin Connector, M8x1.25 Captive Bolt

ASSET MONITORING PRODUCTS

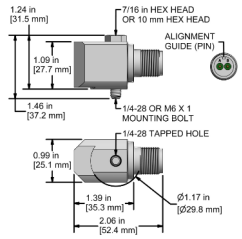
Product Features

4-20 mA Current Proportional to Vibration in Acceleration

- Peak and RMS Outputs Available
- Transmits Signals Over Long Distances with No Signal Loss
- Outputs to PLC, DCS, SCADA

LP384-XXX-1E
2 Pin Connector

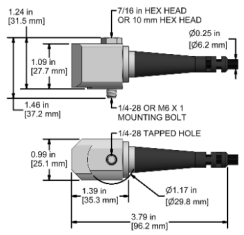
Connector Pin	Polarity
A	(+) Loop Power
B	(-) Loop Power Return



Built To Order

LP384-XXX-2E
CB105 Integral Cable

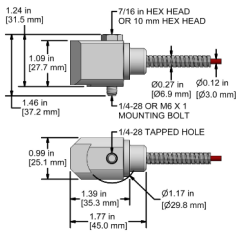
Conductor	Polarity
Red	(+) Loop Power
Black	(-) Loop Power Return
Shield	Cable Drain Wire



Built To Order

LP384-XXX-3E
CB206 Armored Integral Cable

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



Built To Order

Specifications	Standard	Metric
Part Number	LP384	
Tolerance: 4 mA	(± 10%)	
Tolerance: 20 mA	(± 10%)	
Electrical		
Settling Time	<60 Seconds	
Voltage Source	15-30 VDC	
Case Isolation	>10^8 ohm	
Environmental		
Operating Temperature Range	-4 to 212 °F	-20 to 100 °C
Electromagnetic Sensitivity	CE	
Sealing	Welded, Hermetic	
Submersible Depth	200 ft.	60 m

Specifications	Standard	Metric
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	4.9 oz	140 grams
Case Material	316L Stainless Steel	
Mounting Thread	M8x1.25 Captive Bolt	
Connector (Non-Integral)	2 Pin MIL-C-5015	
Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Mounting Hardware Supplied	1/4-28 Captive Bolt	M8x1.25 Captive Bolt
Calibration Certificate	Current Output @ 100 Hz	

Ordering Information

/LP384 - [ ][ ] [ ] [ ] - [ ][ ][ ][ ] / [ ][ ][ ] / [ ][ ][ ]

Bolt Type
Blank = M8x1.25

Measurement Range
0 = 0-1 g
2 = 0-2 g
5 = 0-5 g
10 = 0-10 g
20 = 0-20 g

Type
P = Peak
R = RMS

Frequency Range ±3dB
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)

Style
1E = 2 Pin MIL C-5015
2E = Integral Cable
3E = Armor Jacket
M12E = 4 Pin M12

Integral Options

Armor Length (Integral)
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

Cable Length (Integral)
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