

LP364 Series



VIBRATION ANALYSIS HARDWARE

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



Product Features

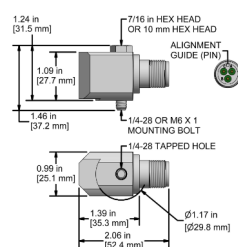
4-20 mA Current Proportional to Vibration in Acceleration

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

-LP364-XXX-1E

3 Pin Connector

<u>Connector</u>	<u>Polarity</u>
A	(+) Loop Power
B	(-) Loop Power Return
C	(+) Temperature Voltage

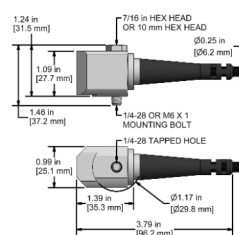


Built To Order

-LP364-XXX-2E

CB105 Molded Integral Cable

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

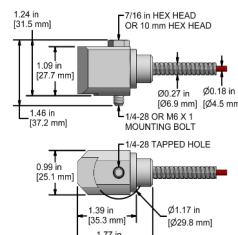


Built To Order

-LP364-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		LP364	M/LP364	Physical			
Temperature Output		10 mV/°C		Sensing Element		PZT Ceramic	
		within the range -20 to 100°C		Sensing Structure		Shear Mode	
Tolerance: 4 mA		(± 10%)		Weight		4.9 oz	140 grams
Tolerance: 20 mA		(± 10%)		Case Material		316L Stainless Steel	
Tolerance: Temperature		(± 5°C)		Mounting Thread		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		15-30 VDC		Mounting Hardware Supplied		1/4-28 Captive Bolt	M6x1 Captive Bolt
Case Isolation		>10 ⁸ ohm		Calibration Certificate		Current Output @ 100 Hz	
Environmental							
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

/LP364 -			-		/	/
Bolt Type	Measurement Range	Type	Frequency Range ±3dB	Style	Armor Length (Integral)	Cable Length (Integral)
Blank = ¼-28 M = M6x1	0 = 0-1 g 2 = 0-2 g 5 = 0-5 g 10 = 0-10 g 20 = 0-20 g	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