

LP684 Series

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



Product Features

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

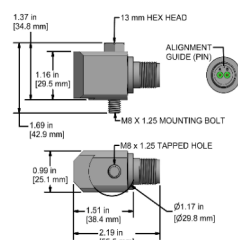
Enhanced Temperature Range of -40 to 257 °F (-40 to 125 °C), and Other Improved Specs Including:

- ▶ Capable of a 2 Hz Low Frequency Response
- ▶ New Measurement Range of 0 to 0.5 g

LP684-XXX-1A

2 Pin Connector

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

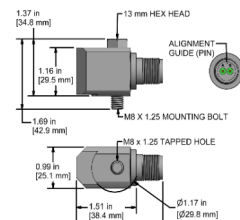


Built To Order

LP684-XXX-2A

CB103 Integral Cable

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

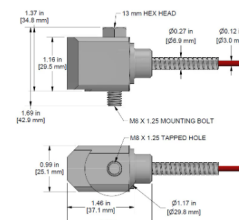


Built To Order

LP684-XXX-3A

CB206 Armored Integral Cable

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



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	LP684		Physical		
Tolerance: 4 mA	(± 10%)		Sensing Element	PZT Ceramic	
Tolerance: 20 mA	(± 10%)		Sensing Structure	Shear Mode	
Electrical			Weight	4.9 oz	140 grams
Settling Time	<30 Seconds		Case Material	316L Stainless Steel	
Voltage Source	15-30 VDC		Mounting Thread	1/4-28	
Case Isolation	>10 ⁹ ohm		Connector (Non-Integral)	2 Pin MIL-C-5015	
Environmental			Mounting Torque	2 to 5 ft. lbs.	2.7 to 6.8 Nm
Operating Temperature Range	-40 to 257 °F	-40 to 125 °C	Mounting Hardware Supplied	M8x1.25 Captive Bolt	
Electromagnetic Sensitivity	CE		Calibration Certificate	Current Output @ 100 Hz	
Sealing	Welded, Hermetic				
Submersible Depth	200 ft.	60 m			

Ordering Information

/LP684 -					
Bolt Type Blank = 1/4-28	Measurement Range 0 = 0-0.25 g 1 = 0-0.5 g 2 = 0-1 g 3 = 0-2 g 4 = 0-5 g 5 = 0-10 g 6 = 0-20 g	Type P = Peak R = RMS	Frequency Range ±3dB 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 1A = 2 Pin MIL C-5015 2A = Integral Cable 3A = Armor Jacket M12A = 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					