

LP684-M12A Series

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



Product Features

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

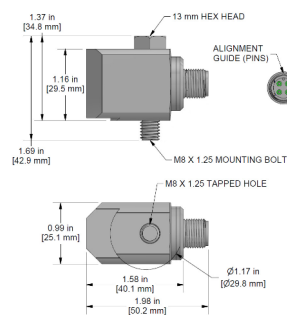
Enhanced Temperature Range of -40 to 257 °F (-40 to 125 °C), and Other Improved Specs Including:

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

LP684-XXX-M12A

4 Pin Connector

Conductor	Polarity
1	(+) Loop Power
2	(-) Loop Power Return
3	Not Used
4	Not Used



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	LP684-M12A		Physical		
Tolerance: 4 mA		(± 10%)	Sensing Element	Welded, Hermetic	
Tolerance: 20 mA		(± 10%)	Sensing Structure	Shear Mode	
Electrical			Weight	316L Stainless Steel	140 grams
Settling Time	<30 Seconds		Case Material	316L Stainless Steel	
Voltage Source	15-30 VDC		Mounting Thread	M8x1.25 Captive Bolt	
Case Isolation	>10 ⁸ 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	-4 to 212 °F	-20 to 100 °C	Mounting Hardware Supplied	M8x1.25 Captive Bolt	
Electromagnetic Sensitivity	CE		Calibration Certificate	Current Output @ 100 Hz	
Submersible Depth	200 ft.	60 m			

Ordering Information

/LP684 -				-			/		/	
Bolt Type	Measurement Range	Type	Frequency Range ±3dB			Style	Armor Length (Integral)			Cable Length (Integral)
Blank = ¼-28	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	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)			1A = 2 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
*Custom Lengths Available Upon Request										