

LP562-M12A Series

Premium Dual Output Loop Power Sensor, 4-20 mA Output Proportional to Vibration in Velocity with °C Temperature Output, Top Exit 4 Pin M12 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)

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

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	LP562-M12A	M/ or M8/LP562-M12E	<u>Physical</u>		
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	3.0 oz	86 grams
Tolerance: Temperature	(± 5 °C)		Case Material	316L Stainless Steel	
<u>Electrical</u>			Mounting Thread	1/4-28 Blind Tapped Hole	
Settling Time	<30 Seconds		Connector (Non-Integral)	4 Pin M12	
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 Stud	M6x1 or M8x1.25 Adapter Stud
<u>Environmental</u>			Calibration Certificate	Current Output @ 100 Hz	
Operating Temperature Range	-40 to 257 °F	-40 to 125 °C			
Sealing	Welded, Hermetic				
Submersible Depth	200 ft.	60 m			

Ordering Information

Integral Options					
Stud Type Blank = 1/4-28 M = M6x1 M8 = M8x1.25	Measurement Range 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)	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 = 3 Pin MIL C-5015 2A = Integral Cable 3A = Armor Jacket M12A = 4 Pin M12	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					