

LP502-M12A Series

Premium Loop Power Sensor, 4-20 mA Output Proportional to Vibration in Velocity, Top Exit 4 Pin M12 Connector



Product Features

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

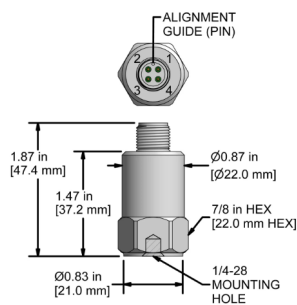
Enhanced Temperature Range of -40 to 257 °F (-40 to 125 °C)

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

LP502-XXX-M12A

4 Pin Connector

Connector Pin	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	LP502-M12A	M/ or M8/LP502-M12E	Physical		
Tolerance: 4 mA	(± 10%)		Sensing Element	PZT Ceramic	
Tolerance: 20 mA	(± 10%)		Sensing Structure	Shear Mode	
Electrical			Weight	2.9 oz	82 grams
Settling Time	<30 Seconds		Case Material	316L Stainless Steel	
Voltage Source	15-30 VDC		Mounting Thread	1/4-28 Blind Tapped Hole	
Case Isolation	>10 ⁸ ohm		Connector (Non-Integral)	4 Pin M12	
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	1/4-28 Stud	M6x1 or M8x1.25 Adapter Stud
Electromagnetic Sensitivity	CE		Calibration Certificate	Current Output @ 100 Hz	
Sealing	Welded, Hermetic				

Ordering Information

Integral Options					
/LP502 - /					
Stud Type	Measurement Range	Type	Frequency Range ±3dB	Style	Armor Length (Integral)
Blank = 1/4-28 M = M6x1 M8 = M8x1.25	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)	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
					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					