

LP282-M12A Series

Dual Output Loop Power Sensor, 4-20 mA Output Proportional to Vibration in Velocity and RTD Temperature Output, Top Exit 4 Pin M12 Connector

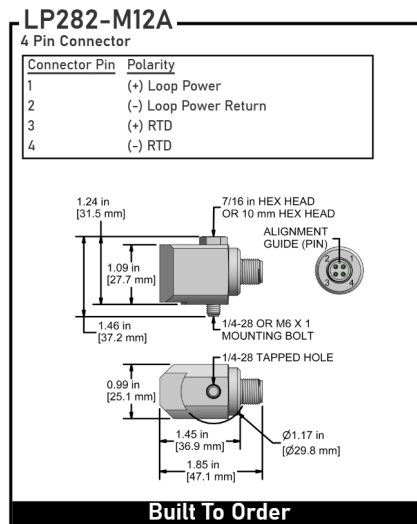


Product Features

Dual Output with 4-20 mA Current Proportional to Vibration in Velocity and Base Mounted PT100 Sensor for RTD Temperature Output

View [2 Wire vs. 4 Wire RTD Systems Explained](#)

- ▶ Compatible with CTC M4TR4 (Polycarbonate), M4RTR4 (PPS) and MV4R4 (Viton Boot) Connectors for 4 Wire RTD Systems
- ▶ Compatible with CTC M4TR2 (Polycarbonate), M4RTR2 (PPS), and MV4R2 (Viton Boot) Connectors for 2 Wire RTD Systems



Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	LP282-M12A	M/ or M8/LP282-M12A	<u>Physical</u>		
Temperature Measurement Range	-4 to 212 °F	-20 to 100 °C	Sensing Element	PZT Ceramic	
Temperature Sensor	PT100 RTD		Sensing Structure	Shear Mode	
Tolerance: 4 mA	(± 10%)		Weight	2.9 oz	81 grams
Tolerance: 20 mA	(± 10%)		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	-4 to 212 °F	-20 to 100 °C			
Sealing	Welded, Hermetic				

Ordering Information

Stud Type	Measurement Range	Type	Frequency Range ±3dB	Style
Blank = 1/4-28 M = M6x1 M8 = M8x1.25	0 = 0-0.5 IPS (0-12.7 mm/sec) 1 = 0-1 IPS (0-25.4 mm/sec) 2 = 0-2 IPS (0-50.8 mm/sec) 3 = 0-0.4 IPS (0-10 mm/sec) 4 = 0-0.8 IPS (0-20 mm/sec) 6 = 0-5 IPS (0-127 mm/sec)	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)	M12A = 4 Pin M12