

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

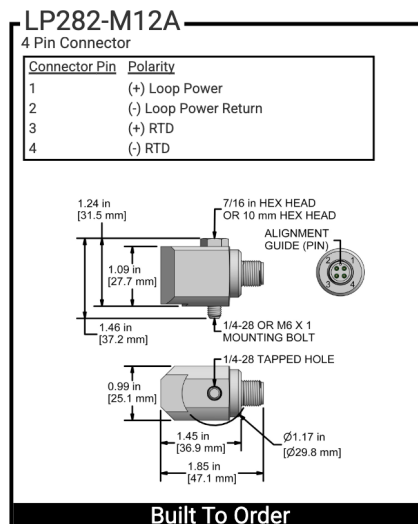


Product Features

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		
Part Number			LP282-M12A			M/ or M8/LP282-M12A		
Temperature Measurement Range			-4 to 212 °F			-20 to 100 °C		
Temperature Sensor			PT100 RTD					
Tolerance: 4 mA			(± 10%)					
Tolerance: 20 mA			(± 10%)					
Electrical								
Settling Time			<30 Seconds					
Voltage Source			15-30 VDC					
Case Isolation			>10 ⁸ ohm					
Environmental								
Operating Temperature Range			-4 to 212 °F			-20 to 100 °C		
Sealing			Welded, Hermetic					
Physical								
Sensing Element			PZT Ceramic					
Sensing Structure			Shear Mode					
Weight			2.9 oz			81 grams		
Case Material			316L Stainless Steel					
Mounting Thread			1/4-28 Blind Tapped Hole					
Connector (Non-Integral)			4 Pin M12					
Mounting Torque			2 to 5 ft. lbs.			2,7 to 6,8 Nm		
Mounting Hardware Supplied			1/4-28 Stud			M6x1 or M8x1.25 Adapter Stud		
Calibration Certificate			Current Output @ 100 Hz					

Ordering Information

/LP282 -				-
Stud Type	Measurement Range	Type	Frequency Range $\pm 3\text{dB}$	Style
Blank = ¼-28 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