

LP283-M12A Series

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



Product Features

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

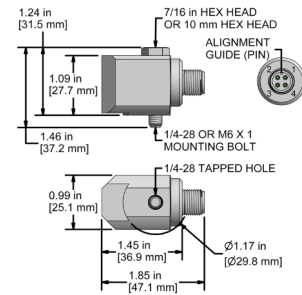
View [2 Wire vs. 4 Wire RTD Systems Explained](#)

- ▶ 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

LP283-M12A

4 Pin Connector

Connector Pin	Polarity
1	(+) Loop Power
2	(-) Loop Power Return
3	(+) RTD
4	(-) RTD



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	LP283-M12A	M/LP283-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	4.7 oz	132 grams
Tolerance: 20 mA	(± 10%)		Case Material		316L Stainless Steel
<u>Electrical</u>			Mounting Thread		1/4-28
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 Captive Bolt	M6x1 Captive Bolt
<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

☐ /LP283 - ☐	☐	☐	☐	- ☐
Stud Type Blank = 1/4-28 M = M6x1 M8 = M8x1.25	Measurement Range 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)	Type P = Peak R = RMS	Frequency Range ±3dB 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)	Style M12A = 4 Pin M12