

通用型压力传感器/变送器
Pressure Transducer/Transmitter

LP9T



产品描述 Description

LP9T系列通用压力传感器/变送器，接管嘴采用不锈钢材质或铝质合金，具有很强的抗腐蚀性和长期稳定性。传感器在宽温度范围内进行了温度补偿，保证了传感器的技术指标。有多种压力接口螺纹形式和接线方式，能最大限度的满足客户需要。广泛应用于气/液压力测控系统、工业设备、医疗设备、制冷设备、恒压供水、过程控制等领域。可选用LED或LCD现场显示模块、或HART协议板、或RS485板。可选配我公司研发生产的各种测控仪表或电路模块。

The model LP9T universal pressure transducer/transmitter is designed for a wide range of applications, including process control system, liquid level measurement, gas compressors, lubrication systems, natural gas production, chemical processing, waste water treatment, pulp & paper processing, oil production, recovery and others. The model LP9T utilizes a pressure sensor packaged in a SST316L housing. Pressure is transferred from a stainless steel diaphragm to the sensor. A broad compensated temperature range of -20 to 85°C and excellent temperature compensation make this transducer/transmitter very stable fluctuating temperatures.

技术指标 Technical Specification

量 程 Capacity	-0.1~200MPa.
精 度 Accuracy	0.1% FS; 0.25% FS; 0.5% FS; 1.0 % FS.
供电电压 Power Supply	传感器 Sensor: +5~12VDC; 变送器 Transmitter: +24VDC, +12VDC, +5VDC.
输出信号 Output Signal	传感器 Sensor: 1mV/V; 变送器Transmitter: 0/0.5/1.0~4.0/4.5/5.0/10.0V (3 wires), 4~20mA (2 or 3 wires).
负载能力（变送器） Load Ability (Transmitter)	电流型 ≤500Ω; 电压型 ≥100KΩ Current model ≤500Ω; Voltage model ≥100KΩ
零点误差 Zero Error	±0.5% FS
满度误差 Full Scale Error	±1.0% FS
补偿温度 Compensate Temperature	-10°C~70°C
工作环境 Working Condition	-20C~75°C, ≤85%RH
储存环境 Storage Environment	-40°C~85°C, ≤95%RH
安全过载能力 Safe Overload	150%
极限过载能力 Ultimate Overload	250%
温度漂移 Temperature Shift	0.03%FS/°C
长期稳定性 Long Stability	≤0.2%FS/year
外壳材料 Case Material	316 Stainless Steel
可选接口螺纹 Process connection	M20×1.5, M12×1, M10×1,1/4NPTG1/2 G1/4 or as custom
电器连接 Electrical Connection	1. Direct cable 1m; 2. M12×1 or others; 3. Hirschman connector

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选型表 Order Guide

LP9T	□	□	-□	-□	-□
外壳材料: Housing Material: S: 不 锈 钢 Stainless Steel	外壳尺寸 Housing Dimensions: S-不锈钢 Stainless steel 0. Φ20×30 1.Φ22×15 2.Φ22×27 3.Φ25×45 4.Φ27×45 5.Φ27×55 6.Φ29×55 7.Φ31×60 9. 定制 custom	输出 O/P: 0. mV(四线4 wires) 1. 4-20mA(二线 2 wires) 2. 4-20mA(三线 3 wires) 3. 0-5V(三线 3 wires) 4. 1-5V(三线3 wires) 5. 0.5-4.5V(三线3 wires) 6. 0-10V(三线3 wires) 9. 用户要求 Custom	量程 Capacity: Mpa; Kpa; Pa; Bar; PSI; Kg/cm ²	实际螺纹尺寸 Screw Size: M20×1.5; G1/2; M12X1; M10X1; 1/4 NPT; G1/2; Or as custom	引线方式: P1: 电缆+防水接头 P2: 大赫斯曼接头 P3: 小赫斯曼接头 P4 : M12接头 Wire Connection: P1: Cable+ Water Joint P2: Big Hirschman P3: Small Hirschman P4: M12 connector