

P - SERIES MASS FLOW METERS

Series P Mass Flow Sensor and DPT Transmitter are paired to constitute series P flow meter with accuracy in 0.1%



DPT 100 Transmitter



P – Series Sensor

Features & Benefits of P - Series Flow Meter

- Double U or Double C type Flow Pipe design is better for Accuracy Rate.
- Provides integrated Mass Flow, Volum Flow, Density, Temperature Measurement and the Relative Calculated Parameter.
- Easy on Installation, no need rectifier, filter parts, no special requirements for installing direct pipe section.
- Fixed parts and no need frequent maintenance; High stability and no need frequent disassembly calibration.
- Allow low-range run, reducing loss of pressure and energy consumption and waste.
- Integrated installation and saving installation costs.
- Compatible N series A(flange face interval distance)dimensions.
- Ultra-Precision measurement and long-term stability ensure to be applied to business transaction.
- Ultra-wide measure ratio and ensure to accurately measure gas
- Strong universality and easy maintenance, and the matched transmitter can be exchanged.
- No-influenced by area temperature.

DPT 100 Transmitter	
Function	Mass flow, volume flow Density and temp, mass Gas and multi-component meas.
Type	Integrated,divided
Accuracy for Flow	0.1%
Accuracy for Density	±0.001g/cm ³
Accuracy for Temp.	±0.5°C
Power Supply	24V DC 220V AC
Current Output	4~20mA (active, output variables may be configured)
Frequency Output	0~10KHz (active or passive, output variables)
Digital Communications	RS-485/Modbus HART//FF(for option)
Man-machine Interface	3 opto-electrical keys 2 row LCD display Being configured, examined and set zero at site
Ambient Temp.	-30~55°C (lowest to -40°C)
Anti-explosion Authentication	Exde [ib] CT6

P – Series Sensor	
Application	Gases/Liquids/Grout
Accuracy for Flow	(10:1) –Measure Ratio ±0.1%
Accuracy for Density	±0.001g/cm ³
Temperature Measuring Accuracy	±0.5°C
Nominal	DN 10 15 20 25 50 80 100 150
Process Linkage	GB/T9115.1-2000 HG/T20592-2009
Process Pressure	≤4MPa
Material of Measuring Tube	316L
Process Temperature	-40~200°C (divided type) -40~125°C (integrated type)
Protective Level	IP67
Application Type	Continuous measurement and control Batch loading and discharging Business transaction Gas measurement

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