

DP320 Series

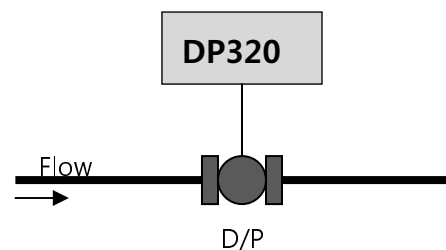
Differential Pressure Flow Transmitter

DP320 ►►►



Feature

- Total / accumulated total / flow rate
- Differential Pressure inputs only
- Scaled pulse output
- 4-20mA analog output
- Alarm setter (2-relay)



Over View

The DP320 Differential Pressure Flow Transmitter is designed to measure flow in Differential Pressure type flow meter. (ex. Orifice, V-con, Flow nozzle, Venturi_tube, wedge) The DP320 provide highly reliable results for industrial requirement with high quality and reasonable price. The DP320 can be inputted only Differential Pressure signal. The DP320 have 4-20mA output and 2-relay output as an option.

Differential Pressure Flow Transmitter

DP320 ▶▶▶

General

Display

12*2 characters LCD with LED Back light

Display Update Rate 0.25second

Decimal Points

Fully programmable for Rate and Total

Time Base

The Rate can be displayed in unit per Second, per minute or per hour

Data Retention

Set up parameters and totals stored in Non_volatile memory with 10 years Retention.

Operating Temperature 0 to 55°C

D/P transducer Parts

Differential Pressure Input

D/P Range 0-40Kpa
0-200Kpa,
0-400Kpa

Working Pressure & Temperature Limits

Pressure 30Kg/cm²
Temperature -30 to 104°C Max

Material

Body 316SS (std)
Diaphragm 316LSS (std)
Transmitter Housing Aluminum Alloy

Power

Power AC 100 - 240V

Pulse Output

Function

The Pulse output is scaled and outputs one pulse each time the total increamets

Pulse Width

10 ms , 50 ms, 100ms
selectable (negative going pulse)

Duty Cycle

49 Pulse/sec. Max

Output

An open collector transistor will sink 50mA max

4-20mA Output

Resolution 12-bit.

Accuracy 0.05% of Range

Maximum Load

500ohms internally powered
950ohms from DC24V External Power supply

Isolation Isolated.

Relay Output (Option)

Max. Switching Power 100 VA
Max. Switching Voltage 30V DC / 250V AC
Max. Switching Current 2 Amps

Enclosure

Dimension 220mm(H) x 110mm(W) x 148mm(D)
Material Aluminum Alloy

Standards and Approvals

CE

Manufactured under ISO 9001