

## P201D Series Differential Pressure Transmitter



### Feature

- Measuring ranges from 0.01 to 3.5 MPa
- Advanced piezoresistive measuring cell
- Excellent accuracy and long term stability

### Applications

*The differential pressure Transmitter can be used for a wide range of application in process control below*

- HVAC
- Chemical, food and drug process monitoring
- Hydraulic and pneumatic system
- Machine tools and automatic machinery
- LPG and LNG Filter monitoring

### Input

Technology	Piezoresistive silicon pressure sensor	
Pressure range	0 ~ 0,01 to 3,5 MPa	
Pressure reference	Differential pressure	
Overload pressure	See next page for detail information	

### Output

Output Signal	4 ~ 20 mA (2-wire current output)	Voltage output
Voltage output signal	Other signals available on request	3 or 4 Wire technique

### Electrical Specifications

Power supply	12 ~ 36 V DC (It is not free voltage)
Load resistance max@24 V	500 Ω at 24 V
Power ripple	≤ 500 mV P-P
Insulation resistor	≥ 20MΩ, 25 V DC

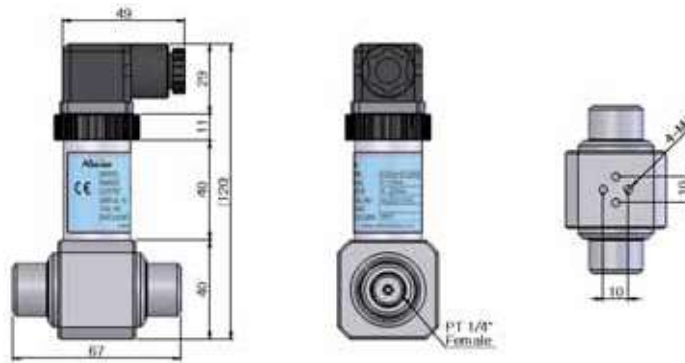
### Performance Specifications

Accuracy	≤ ± 0,5 % F.S.
Non-linearity	± 0,100 % F.S, typical
Repeatability	± 0,05 % F.S, typical
Pressure hysteresis	± 0,05 % F.S, typical
Long term stability	± 0,1 % F.S, over 1 year
Response time(10 % to 90 %)	≤ 20 ms
Reference temperature	25 °C
Working temperature range(Process)	-40 ~ 120 °C
Compensated temperature range(Process)	-10 ~ 80 °C
Ambient temperature range	-20 ~ 60 °C
Thermal sensitivity shift	≤ ± 0,1 % F.S, in reference to 35 °C typical
Thermal zero shift	≤ ± 0,1 % F.S, in reference to 35 °C typical

**Physical Specifications**

Process connection	Rc(PT) 1/4" Female (standard) Other connections available on request
Electrical connection	DIN 43650
Process connection	Gases and liquids compatible with STS 316L
Materials wetted by process	STS 316L (Diaphragm – wetted part) Stainless steel (housing – non wetted part)
Endlosure rating	IP65
Explosion protection(Option)	None
Influence of mounting position	Not critical
Weight	Approx : 300 g
Option	

**Dimension(mm)**



**Overload Pressure**

Range		Positive Overpressure (Up Stream)		Negative Ovepressure (Down Stream)	
35	kPa	70	kPa	35	kPa
70	kPa	150	kPa	70	kPa
100	kPa	200	kPa	100	kPa
250	kPa	500	kPa	250	kPa
400	kPa	800	kPa	400	kPa
600	kPa	1200	kPa	600	kPa
1	MPa	2	MPa	1	MPa
1,6	MPa	3,2	MPa	1	MPa
2,5	MPa	5	MPa	1	MPa
3,5	MPa	5	MPa	1	MPa

**Ordering Information**

