

Pressure Transmitter

FLOWLINE^{TW}

TPD52

Applications

Measuring pressure for liquid and air.

- For research and development, laboratory, and processing engineering
- Building, liquid and air pressure measurement.
- Machine devices, water plant, and air devices.

Features

- Housing SUS304 outer.
- Compact and rugged design and easy to install.
- With reasonable price, high accuracy and stability in a long-run.

Specification

Sensor type: piezoresistive diaphragm

Measuring range: absolute pressure / relative pressure : 10 bar



Cable overload range

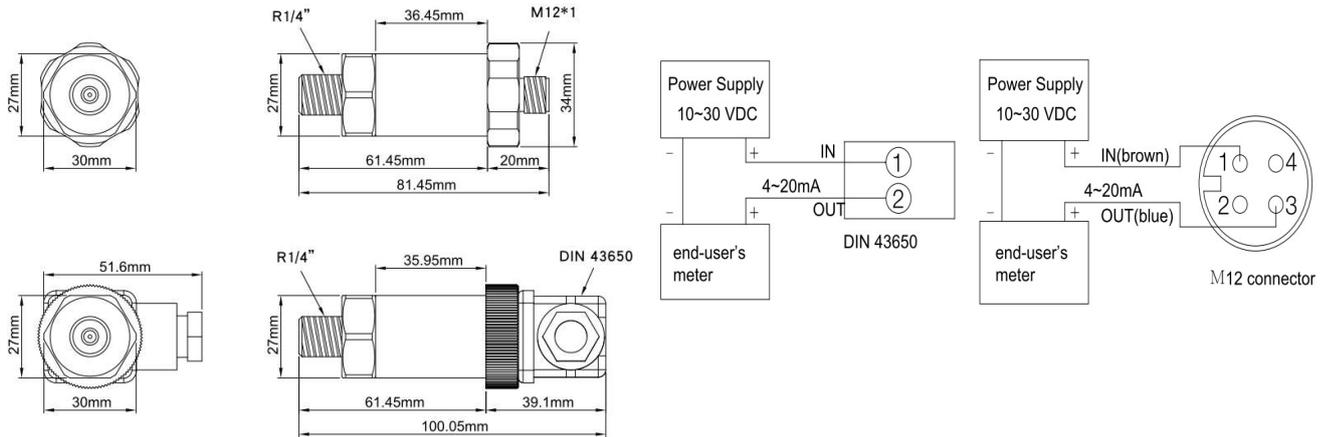
| | | | | | |
|-----------------------|----------|-------|---|-------|------|
| Pressure range | 0.25~0.4 | 0.6~1 | 2 | 2.5~4 | 6~10 |
| Overload range | 2.5 | 3 | 4 | 7 | 15 |

| | |
|---|--|
| Output: 4~ 20m A | 2-wire |
| Linear accuracy | ± 0.3 % of F.S |
| Load resistance | ≤ (working voltag e-10V) / 0.02A Ω |
| Output calibration(ZERO & SPAN) adjustment range..... | ± 10%of zero-point and full-scale |
| Response time..... | ≤ 5ms |
| Media measured | air / liquid |
| Media temperature..... | 85°C, option : cooling connector≤100°C |
| Working temperature..... | 85°C |
| Working humidity..... | 100% |
| Storage temperature..... | -40~ 100°C |
| Zero-point error..... | ± 0.2% F.S. / 10K |
| Measuring range tolerance..... | ± 0.2% F.S. / 10K |
| Power supply..... | 10~ 30VDC |
| Current consumption..... | < 20m A |
| Overvoltage protection..... | ≤33VDC |
| Electrical Connection..... | DIN 43650 ; M12 |
| Installation..... | pipeline |
| Connector..... | R1/ 4", R1/ 2" |
| Protection degree..... | DIN 43650:IP65 |

.....M12:IP6
 Electrical protection... ..over-voltage, polarity, short-circuit
 Flutter test... ..20g (20~ 5000HZ)
 HousingSUS 304
 Wetted part..... SUS 304
 Sensor.....SUS316L
 Oil seal.....VITON
 Weight.....150g

Dimension

Connection Diagram



Compatible Products

DataView™
 Level Controller

DataLoop™
 Level Indicator

Commander™
 Multi-Tank Level



TPD52

PRESSURE RANGE
 01..0.25 bar
 02..0.4 bar
 03..0.6 bar
 04..1 bar
 05..2 bar
 06..2.5 bar
 07..4 bar
 08..6 bar
 09..10 bar

CONNECTOR
 A:R1/4 “
 B:R1/2 “

CONNECTOR
 1:43650
 2:M12

APPRRANCE
 A:absolute pressure
 B:Relative pressure