



Technical parameters

- ◆ Measurement range: 0... 5000 kpa can be customized
- ◆ Display unit: LCD LCD screen
- ◆ Power supply voltage: 12... 36VDC
- ◆ Output signal: 4... 20mA,HART
- ◆ Measurement accuracy: 0.5,0.2%F.S
- ◆ Repeatability: 0.1% full scale
- ◆ Measurement hysteresis: ± 0.01% full scale
- ◆ Stability: < 0.01%/ year
- ◆ Medium temperature: -30... 80 ... 500
- ◆ Ambient temperature: -30... 85
- ◆ Electrical connection: fasteners, M20*1.5, NPT1/2
- ◆ Protection class: IP66
- ◆ Explosion-proof mark: flameproof ExdIICT6,
This type ExialICT6 Ann

The principle characteristics

When the PD62 series pressure (liquid level) transmitter uses capacitive pressure core body to work, the isolation diaphragm and filling liquid on the high and low pressure side will transfer the process pressure to the filling liquid, and then the filling liquid will transfer the pressure to the sensing membrane in the sensor center. The sensing diaphragm is a tensioned elastic element whose displacement varies with the pressure exerted (for gauge pressure transmitters, atmospheric pressure is applied as if on the low pressure side of the sensing diaphragm). The absolute pressure transmitter maintains a reference pressure at all times on the low pressure side. The maximum displacement of the sensing diaphragm is 0.1 mm, and the displacement is proportional to the pressure. Capacitive plates on both sides detect the position of the sensing diaphragm. The capacitance difference between the sensing diaphragm and capacitive plate is converted to the corresponding current or digital HART output signal.

- ◆ Stainless steel and Hastelloy CR process isolation diaphragm
- ◆ Single isolation diaphragm design
- ◆ Stable performance, high precision, high temperature resistance
- ◆ A variety of optional filling liquid, can meet the requirements of different occasions
- ◆ External continuous adjustable range and zero point
- ◆ Damping adjustable, overpressure resistant

application

Mainly used for liquid and gas measurement such as: food, chemical industry, paper, medicine and other high hygiene requirements, high temperature resistance, high viscosity medium and corrosion resistance need occasions

| code | range | code | range | code | range |
|------|---------------|------|-------------|------|---------|
| GP1 | 100...0kPa | GP7 | 0...500kPa | GL5 | 0...5m |
| GP2 | -100...100kPa | GP8 | 0...2500kPa | GL6 | 0...6m |
| GP3 | -100...500kPa | GP9 | 0...5000kPa | GL10 | 0...10m |
| GP4 | 0...35kPa | GL1 | 0...1m | GL15 | 0...15m |
| GP5 | 0...100kPa | GL2 | 0...2m | GL20 | 0...20m |
| GP6 | 0...250kPa | GL3 | 0...3m | GL25 | 0...25m |

1bar=0.1MPa=100KPa=1.0197kg/cm²

Selection table

| PD62 | | | | | | | | | PD62 single flange pressure transmitter |
|------|-----|---|----|-----|---|------|---|-----|---|
| | ... | | | | | | | | Range (see range table) or directly fill in the range value |
| | | A | | | | | | | The output 4...20mA |
| | | R | | | | | | | The output 4...20mA+HART |
| | | | D2 | | | | | | DN25 Flange installation |
| | | | D5 | | | | | | DN50 Flange installation |
| | | | D8 | | | | | | DN80 Flange installation |
| | | | W5 | | | | | | Clamp type (50.5mm outer diameter) |
| | | | | G | | | | | Self locking fastener |
| | | | | M20 | | | | | Electrical interface M20*1.5 inner teeth |
| | | | | N12 | | | | | Electrical interface NPT1/2 inner teeth |
| | | | | | L | | | | Capillary length L (mm) low pressure end |
| | | | | | | H... | | | Capillary length H (mm) high pressure end |
| | | | | | | | S | | Liquid stainless steel 316L diaphragm |
| | | | | | | | P | | Liquid polyteflon PTFE coating |
| | | | | | | | C | | Liquid Hasloy C coating |
| | | | | | | | | ... | Special requirements can be noted |