

### X-100PS Flush diaphragm type



### Feature

- ★ Range: -100kpa~0 & 0~20kpa~35bar.
- ★ Design of flat diaphragm.
- ★ Multiple Process connection optional.
- ★ Multiple output signals optional.
- ★ Multiple electrical connections.
- ★ Superior long term stability.

Dimension and capacity can be customized by request.

### Technical specifications

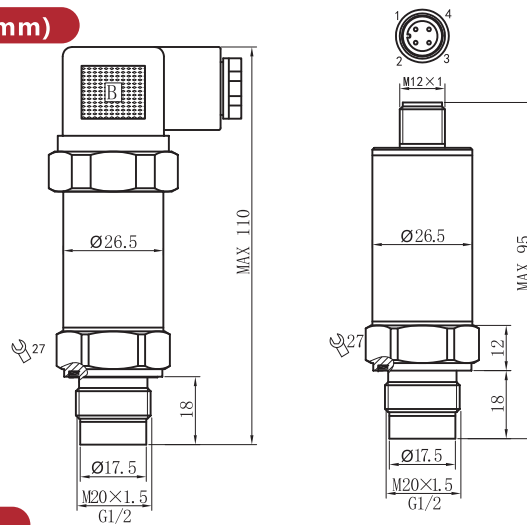
| Product Performance      |                               |
|--------------------------|-------------------------------|
| Long-Term Stability      | ±0.2%FS/year(Not cumulative)  |
| Accuracy                 | ±0.25%FS, ±0.5%FS(Optional)   |
| P201 Temp.Effect         | 1.5%FS/100°C                  |
| Comp.Temp.               | -20°C~80°C                    |
| Working Temp.            |                               |
| Without display screen   | -40°C~85°C                    |
| LED                      | -20°C~70°C                    |
| Zero Error               | ±1.5%FS                       |
| Span Error               | ±1.5%FS                       |
| Response Time            | ≤30ms                         |
| Fatigue Life             | More than 100 million designs |
| Physical Characteristics |                               |
| Pressure Interface       | See Ordering Guide            |
| P201 Contact Parts       | SS316L、17-4PH                 |
| Electrical Interface     | See Ordering Guide            |
| Shell Material           | SS304                         |
| Shell Protection         | IP65/IP67                     |
| Shock                    | EC 68-2-27 procedure I        |
| Vibration                | 10g, 25-2000Hz                |
| Weight                   | About350g                     |
| Environmental Data       |                               |
| Certification            | CE, RoHS                      |

| Voltage Output  |                                      |
|-----------------|--------------------------------------|
| Output (3-wire) | Min 0V to max 10V                    |
| Power Supply    | Over full range output 4V, max 30Vdc |
| Current Output  |                                      |
| Output (2-wire) | 4-20mA, 4-20mA+HART /2-wire          |
| Power Supply    | 10-30Vdc                             |

| Range        | Proof Pressure(×FS) | Burst Pressure(×FS) |
|--------------|---------------------|---------------------|
| Kpa / bar    | XJC-100PS           | XJC-100PS           |
| Vacuum       | 5.0×FS              | 3.0×FS              |
| 40~100kpa    | 1.5×FS              | 3.0×FS              |
| 200kpa~35bar | 1.5×FS              | 2.0×FS              |

| Type | Terminal | Current signal | Voltage signal | Voltage signal | RS485      | Cable Colour |
|------|----------|----------------|----------------|----------------|------------|--------------|
| M12  | 1        | +ve Supply     | +ve Supply     | +ve Supply     | +ve Supply | Brown        |
|      | 2        |                | 0V Com         | -ve Output     | -ve Supply | white        |
|      | 3        | +ve Output     | +ve Output     | +ve Output     | A+         | Blue         |
|      | 4        |                |                | -ve Output     | B-         | Black        |
| DIN  | 1        | +ve Supply     | +ve Supply     | +ve Supply     | +ve Supply | Red          |
|      | 2        | +ve Output     | +ve Output     | -ve Supply     | -ve Supply | Black        |
|      | 3        |                | 0V Com         | +ve Output     | A+         | Blue         |
|      | GND      |                |                | -ve Output     | B-         | white        |

### Dimensional Drawings (mm)



### Ordering guide

Model : X-100PS-①②③④⑤

|   | ①                                | ②   | ③   | ④  | ⑤                              |
|---|----------------------------------|---|---|--|--------------------------------|
| Attention                                 | Range                            | Process connection  | Output  | Electrical connection  | Accuracy                       |
| 1. 4PIN Standardized 2m Cable Line        | Range<br>K=kPa<br>B=bar<br>M=MPa | 2G *=G1/4 *<br>4G=G1/2<br>6G=G3/4<br>8G=G1**<br>20M=M20×1.5XX *=<br>Other * | 4A=4~20mA<br>4AX=4~20mA+LCD<br>With Display<br>10V=0~10V<br>5V=0~5V | 2D=DIN43650<br>Hirschmann<br>4P=M12/4pin<br>xE=<br>Direct lead x meter<br>8L=2088<br>Aluminium shell | =±0.5<br>%FS<br>2=±0.25<br>%FS |
| 2. Direct lead with 1 m cable             |                                  |   |   |  |                                |
| 3. Voltage output is not optional with 8L |                                  |   |   |  |                                |
| 4. can only be selected with 2D,8L        |                                  |   |   |  |                                |
| 5. With**, please contact the technician  |                                  |   |   |  |                                |

### Applications

It is used for pressure measurement of viscous media in chemical industry, coal mine, food, papermaking, polyurethane equipment and other industries.