

## SSM-P206

隔爆型压力变送器/Flameproof pressure transmitter

- 压力量程/Range : -100kpa~0 & 0~5kpa~700bar
- 高性能扩散硅芯体/High performance diffused silicon core
- 隔爆设计/Flameproof design
- 多种输出信号可选/ Multiple output signals optional
- 长期稳定性好/Superior long term stability
- 抗干扰能力强/Strong antiinterference ability



### 技术规格/Technique parameter

#### 产品性能/Product Performance

|                          |                                       |
|--------------------------|---------------------------------------|
| 长期漂移/Long-Term Stability | ±0.2%FS/year (不累计/Not cumulative)     |
| 精度/Accuracy              | ±0.25%FS、±0.5%FS(可选/Optional)         |
| 温度影响/Temp.Effect         | 1.5FS/100°C                           |
| 补偿温度/Comp.Temp.          | -20°C~80°C                            |
| 工作温度/Working Temp.       | -30°C~85°C                            |
| 零点允差/Zero Error          | ±1%FS                                 |
| 满程允差/Span Error          | ±1%FS                                 |
| 响应时间/Response Time       | ≤30ms                                 |
| 疲劳寿命/Fatigue Life        | 设计超过1亿次/More than 100 million designs |

#### 物理特征/Physical Characteristics

|                           |                              |
|---------------------------|------------------------------|
| 安装接口/Pressure Interface   | 参见订购指南/See Ordering Guide    |
| 接液部件/Contact Parts        | SS304、SS316L、17-4PH          |
| 电气接口/Electrical Interface | 1/2-14NPT阳螺纹/External Thread |
| 外壳防护/Shell Protection     | IP67                         |
| 抗冲击/Shock                 | EC 68-2-32 procedure I       |
| 抗振动/Vibration             | 40g, 20-2000Hz               |
| 重量/Weight                 | 约150克/About 150g             |

#### 环境数据/Environmental Data

|                   |            |
|-------------------|------------|
| 认证/Authentication | CE、RoHS、EX |
|-------------------|------------|

## 特有技术规格/Specific technical specifications

### 电压输出/Voltage Output

输出 (3线) /Output (3-wire) 最小0V至最大10V/Min 0V to max 10V

供电电压/Power Supply 高于满量程输出4V, 最大30Vdc  
Over full range output 4V, max 30Vdc

### 电流输出/Current Output

输出 (2线) /Output (2-wire) 4-20mA (2线) /2-wire

供电电压/Power Supply 10-30Vdc

### 数字输出/Digital Output

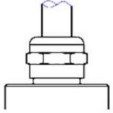
输出 (4线) /Output (4-wire) Modbus-RTU/RS485 (4线) /4-wire

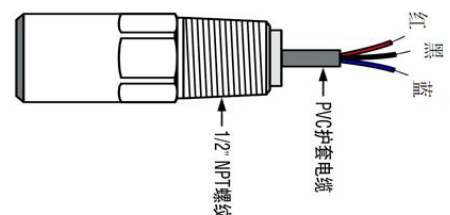
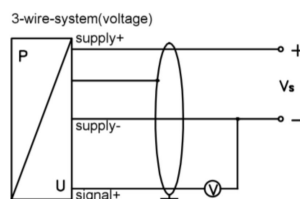
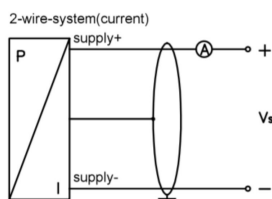
供电电压/Power Supply 12-30Vdc

## 压力特性/Pressure feature

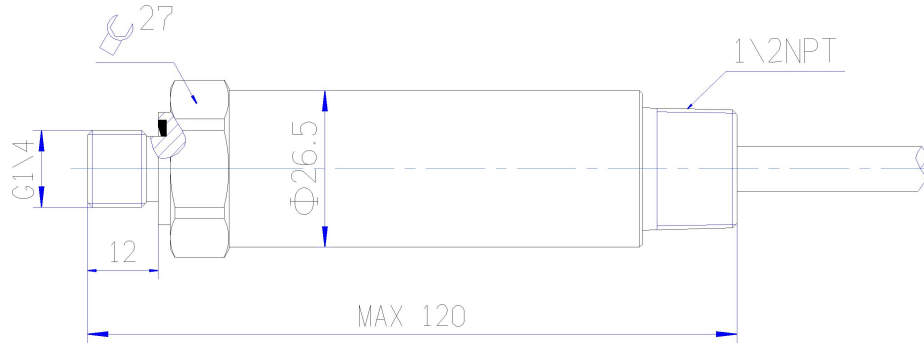
| 压力范围/Range<br>Kpa / bar | 耐压/Proof Pressure (×FS) | 破裂压/Burst Pressure (×FS) |
|-------------------------|-------------------------|--------------------------|
|                         | SSM-P206                | SSM-P206                 |
| 真空/Vacuum               | 3.0×FS                  | 5.0×FS                   |
| 5~100kpa                | 2.0×FS                  | 5.0×FS                   |
| 200kpa~100bar           | 2.0×FS                  | 3.0×FS                   |
| 200bar~700bar           | 1.5×FS                  | 2.0×FS                   |

## 接线定义/Wiring Definition

| 插件示意图<br>Plugin diagram                                                                     | 插件脚位<br>Foot position | 线缆颜色<br>Cable color | 电流输出<br>Current output | 电压输出<br>Voltage Output | RS485<br>Modbus RTU |
|---------------------------------------------------------------------------------------------|-----------------------|---------------------|------------------------|------------------------|---------------------|
| 直接出线<br> |                       | 红 (Red)             | E+电源/Supply            | E+电源/Supply            | E+电源/Supply         |
|                                                                                             |                       | 黑 (Black)           | S+输出/Output            | E-/S-共负/Com            | E-电源/Supply         |
|                                                                                             |                       | 蓝 (Blue)            |                        | S+输出/Output            | RS485 A             |
|                                                                                             |                       | 白 (White)           |                        |                        | RS485 B             |



## 外型尺寸/External dimensions



### 隔爆型压力变送器 (SSM-P206)

型号表示 : SSM-P206-①②③④⑤⑥⑦

| 系列号<br>Series | ①压力类型<br>Pre. Type | ②压力范围<br>Range          | ③安装接口<br>Process connection                | ④输出信号<br>Output | ⑤电气接口<br>Electrical connection | ⑥散热装置<br>Radiator | ⑦精度<br>Accuracy | 参数描述<br>Parameter description                                                   |
|---------------|--------------------|-------------------------|--------------------------------------------|-----------------|--------------------------------|-------------------|-----------------|---------------------------------------------------------------------------------|
| SSM-P206      |                    |                         |                                            |                 |                                |                   |                 |                                                                                 |
|               | A                  |                         |                                            |                 |                                |                   |                 | 表压/Gauge pressure<br>绝压/Absolute pressure                                       |
|               |                    | 范围/Range<br>K<br>B<br>M |                                            |                 |                                |                   |                 | 压力数值/Pressure value<br>KPa<br>Bar<br>MPa                                        |
|               |                    |                         | 2G<br>4G<br>2N<br>4N<br>14M<br>20M<br>XX * |                 |                                |                   |                 | G1/4<br>G1/2<br>1/4NPT<br>1/2NPT<br>M14×1.5<br>M20×1.5<br>其他规格/Other *          |
|               |                    |                         |                                            | 4A<br>10V<br>5V |                                |                   |                 | 4-20mA两线制/2-wire<br>0-10V三线制/3-wire<br>0-5V三线制/3-wire                           |
|               |                    |                         |                                            |                 | xE                             |                   |                 | 直接引线X米/Direct lead x meter                                                      |
|               |                    |                         |                                            |                 |                                | 5S<br>10S         |                 | 125℃, 无散热装置/No radiator<br>150℃, 5片散热槽/5 radiators<br>200℃, 10片散热槽/10 radiators |
|               |                    |                         |                                            |                 |                                |                   | 2               | ±0.5%FS<br>±0.25%FS                                                             |

#### 注意事项/Attention :

- 1、标配27mm外壳  
Standard 27mm housing
- 2、直接引线标配2米电缆线  
Direct lead with 2 m cable
- 3、带 "\*" 号请联系技术人员  
With "\*", please contact the technician