

## Heavy Industry Pressure Sensing Element



### Performance

|                               |                |
|-------------------------------|----------------|
| Pressure range(FS)            | 3.5~2000 bar   |
| Accuracy(BFSL)                | ±0.3%          |
| Error                         | ±1.5% FS TEB   |
| Excitation voltage            | 5Vdc           |
| Input impedance               | <10Kohm        |
| Output impedance              | 3~8Kohm        |
| Warmup time                   | <1ms           |
| Zero offset                   | ±2mV           |
| Full Scale Output(typical)    | 100mV          |
| Stability(typical)            | ±0.25% FS/year |
| Repeatability                 | ±0.05% FS      |
| Pressure hysteresis           | ±0.05% FS      |
| Insulation resistive(@250VAC) | >100Mohm       |

### Environmental

|                               |                                   |
|-------------------------------|-----------------------------------|
| Compensated temperature       | 0 to 70°C                         |
| Temperature zero shift        | ±1% FSO                           |
| Temperature sensitivity shift | ±1% FS                            |
| Operate temperature           | -40 to 125°C                      |
| Storage temperature           | -40 to 125°C                      |
| Burst pressure                | 5 * FS                            |
| Proof pressure                | 2 * FS                            |
| Wetted parts                  | 17-4PH SS                         |
| Vibration limit               | 20 g@10~2000Hz                    |
| Shock limit                   | IEC 60068-2-27, 50 g, 11 ms pulse |
| Pressure cycles               | 100 million FS cycles             |

### Features

- Gauge Pressures
- Stand high vibration
- 1.5 % Total Error Band
- ASIC Temperature Compensated

### Application

- Process Automation & Control
- Test and Measurement
- Pressure transmitters
- Heavy industry
- Hydraulic Systems

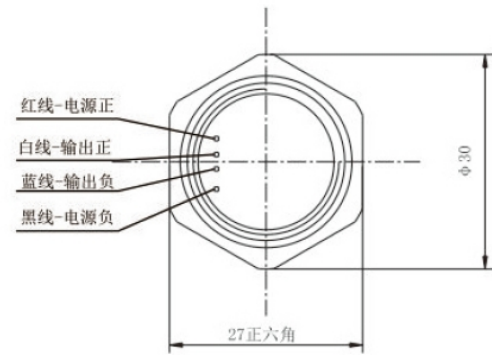
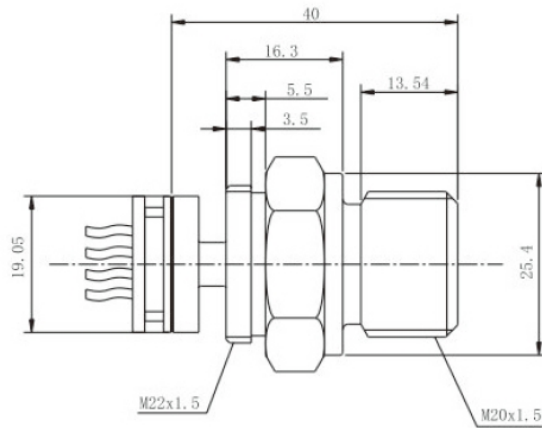
### Ordering Information

P1541-10-H-A

Hexagon size:  
A=27mm width  
B=24mm width

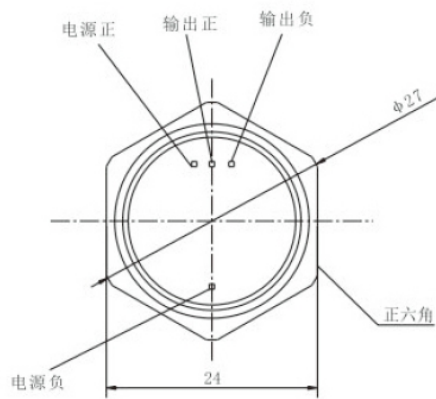
Port type:  
H=M20\*1.5

Range(3.5/10/100/2000 in bar)

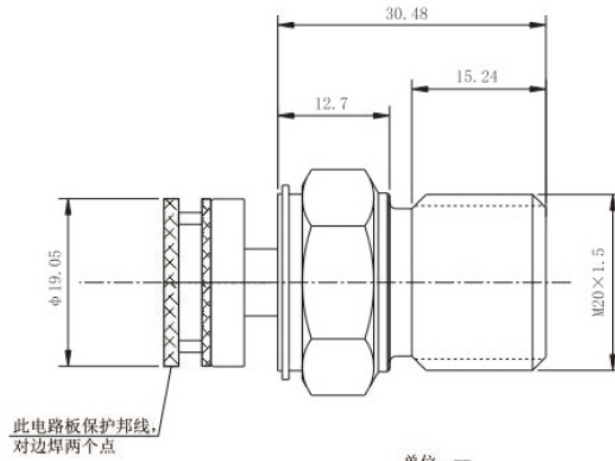


单位: mm

Hexagon: -A



Hexagon: -B



单位: mm