

# QYP-PCM

## Pressure Transmitter manual



### 1. Features

- \* High precision, small volume, light weight.
- \* High temperature performance, full range of temperature compensation.
- \* Delicate structure: stainless steel laser welding dielectric isolation.
- \* Digital intelligent chip, advanced membrane separation technology.
- \* Reliable circuit and fast response.

### 2. Technical parameters

Standard range: -100KPa~0~100MPa

Pressure type: gauge(default)、absolute

Output: 4~20mA(default)、0~10V、0~5V、1~5V

Accuracy:  $\pm 0.5\%FS$ (default)、 $\pm 0.2\%FS$ 、 $\pm 0.1\%FS$

Long term stability:  $\pm 0.2\%FS/year$

Zero-point Temperature Drift:  $\pm 0.25\%FS/70^{\circ}C$

Sensitivity Temperature Drift:  $\pm 0.5\%FS/70^{\circ}C$

Medium temperature:  $-40\sim 100^{\circ}C$

Ambient Temperature:  $-30\sim 80^{\circ}C$  ( $-30\sim 70^{\circ}C$  for LCD display type)

Diaphragm material: 316L(default)、ceramics、Tan、Monel

Body material: 304SS(default)、316SS、316LSS

Electrical connection: Plug、valve plug、waterproof type

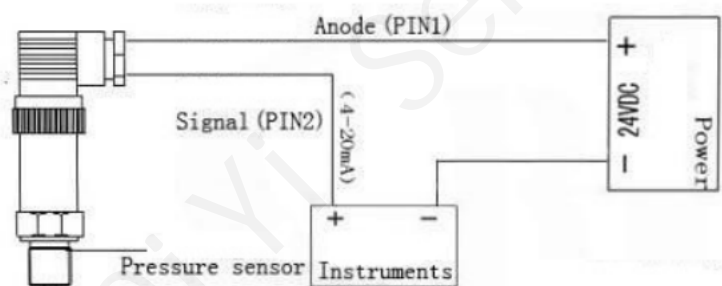
Process connection: thread/ tri-clamp or customized

Voltage: 12~24VDC、5V、3.6V

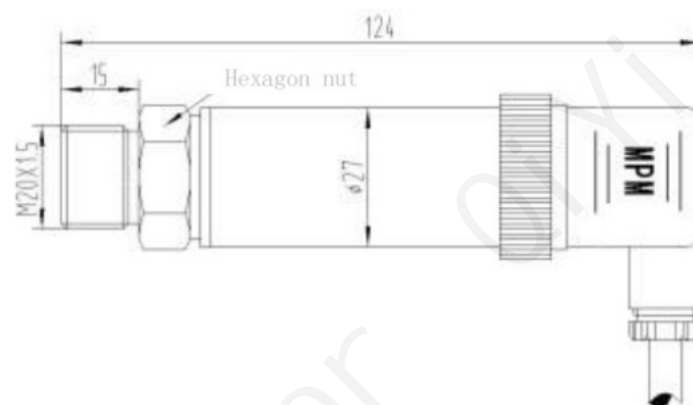
Over Pressure Limits: 3 times below 10MPa and 2 times above 25MPa.

### 3. The wiring method

Red cable for power 24V+; black/blue cable for 4-20mA+.



### 4. Dimension (unit: mm)



## **5. Installation**

- (1) Choose a place that is easy to operate and maintain for installation;
- (2) Should be installed as far as possible from the vibration source
- (3) Should be as far away as possible from the heat source
- (4) It is best to connect to the measuring pipe through the valve;
- (5) Use a wrench to clamp the hexagon at the transmitter during installation
- (6) When operating, the connection between the Hersman joint and the housing cannot be rotated.

## **6. Safety use**

- (1) Care should be taken when handling and installing the transmitter to avoid damage to components due to impact and affect circuit performance.
- (2) There is an isolation diaphragm in the pressure inlet of the transmitter. Do not touch it with foreign objects.
- (3) Electrical connection, please strictly follow the wiring method, the wiring error will cause damage to the amplifier circuit.
- (4) If you encounter any problems during the installation and use of the product, please contact our company. If there is any abnormality in the product, please do not open it without authorization.

For repairs, contact the manufacturer in time.