

PDT10SR-492

Differential Pressure Transmitter



Features

- Lower pressure measurement;
- Compact size, easy installation;
- The gas or non-conductive liquid measurement;

Introduction

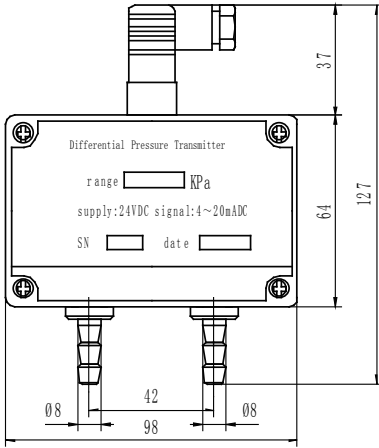
PDT10SR-492 differential pressure transmitter is used to measuring lower pressure range. It uses high performance sensor and amplifier circuit outputting 4~20mA current signal. The whole product is stable and reliable, can be used for lower pressure measure of boiler, vintage, engine and so on.

Specification

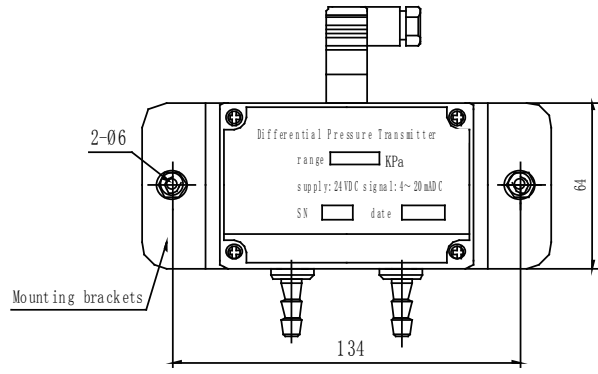
| | | | |
|---------------------|----------------------------|------------|----------------------------|
| Pressure range | 0~1kPa | 0~2.5kPa | 0~7kPa |
| Overpressure | 3kPa | 7.5kPa | 21kPa |
| Limited pressure | 5kPa | 12.5kPa | 35kPa |
| Static pressure | 300kPa | 300kPa | 300kPa |
| Accuracy | ≤1%FS | | |
| Long-term stability | ≤10Pa/year | ≤25Pa/year | ≤70Pa/year |
| Zero temp.drift | ≤±0.05kPa | ≤±0.125kPa | ≤±0.4kPa(0~70°C , @25°C) |
| FS temp.drift | ≤±0.02kPa | ≤±0.05kPa | ≤±0.14kPa(0~70°C , @25°C) |
| Media temp. | -10°C ~85°C | | |
| Storage temp. | -40°C ~125°C | | |
| Compensation temp. | 0°C ~70°C | | |
| Relative humidity | 0~80% | | |
| Power supply | 15~30VDC | | |
| Output signal | 4~20mADC | | |
| Pressure port | Stainless steel 1Cr18Ni9Ti | | |
| Electrical housing | Aluminum-alloy | | |

Note: Other pressure range not been included in above range could be achieved by enlarging or shrinking standard pressure range (overpressure unavailable), but at this situation, accuracy and stability would have some loss.

Outline Construction (Unit: mm)

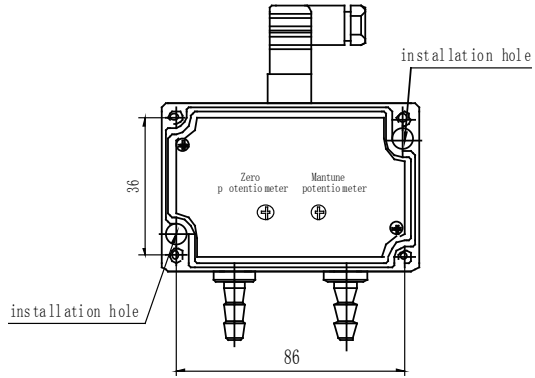
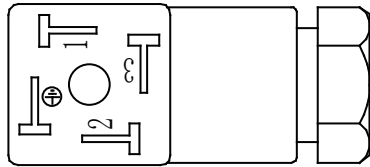


Application Example



Electrical Connection

| | |
|--------|-------|
| Wiring | Plug |
| +V | Pin 1 |
| 0V/OUT | Pin 2 |



Order Guide

| PDT10SR-492 | | Differential Pressure Transmitter | |
|-------------|------------|-----------------------------------|----------------|
| | Code | Pressure range: kPa | |
| | [0~X]kPa | 0~1...7kPa X=actual measure range | |
| | Code | Output signal | |
| | E | 4~20mADC | |
| PDT10SR-492 | [0~2.5]kPa | E | the whole spec |

Notes

If the user has special requirement, please feel free to contact our company.