

Enerdrive SI-TPS Pressure Transmitter

1. Overview

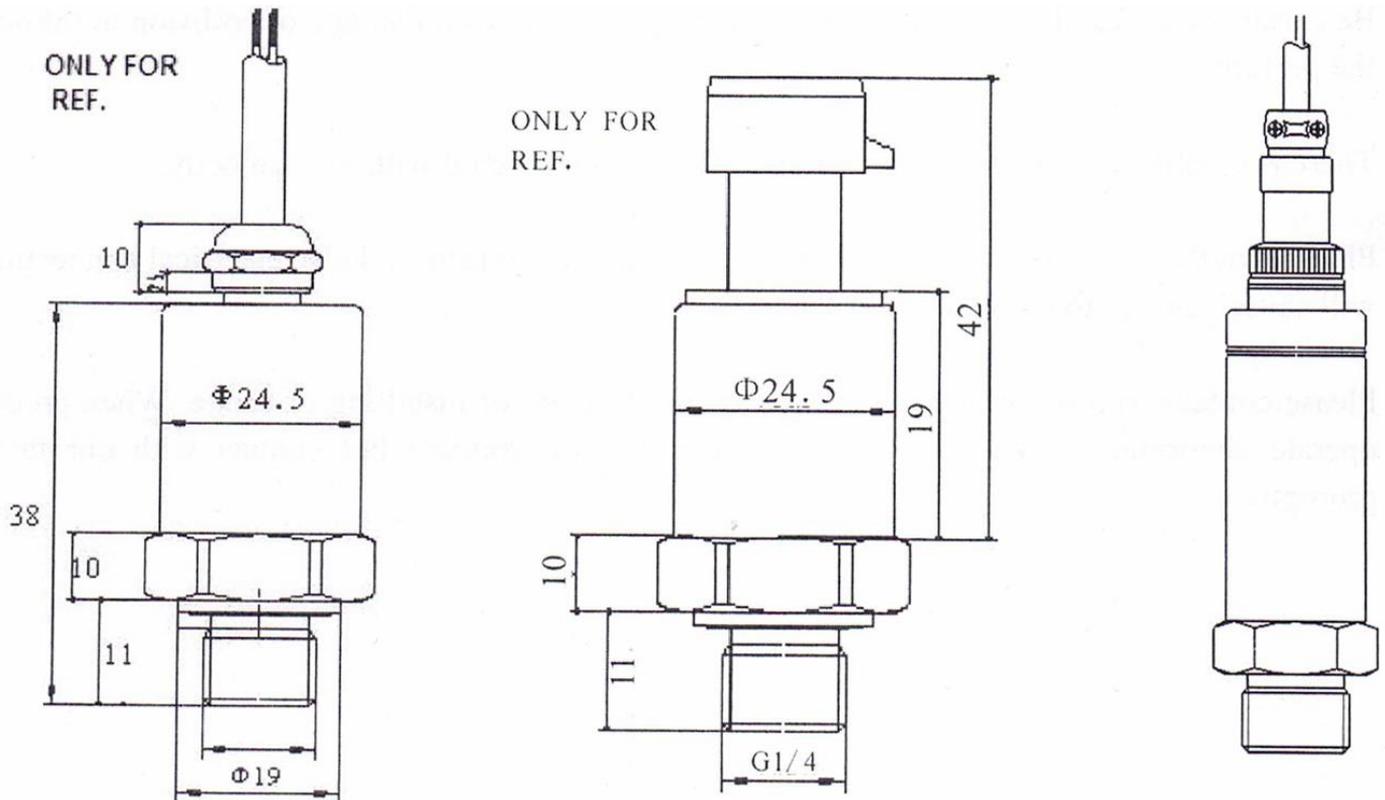
SI-TPS is a series of high performance compact pressure transmitters by using ASIC signal conditioning chips and dry ceramic capacitive pressure sensors. It has features of anti-corrosion, anti-wear, shock resistance and vibration resistance. Its anti-overload capacity is up to 100 times of the range, completely solving poor overload in a small range of other sensors.

In addition to general ranges of normal sensors, its most outstanding characteristic is the positive and negative gauge pressure function. With high output and wide range, the SI-TPS is especially suitable for manufacturing of high-performance industrial control pressure transmitters and harsh environment pressure measurement.

Suitable for liquid types: Water, Petrol, Diesel

- SI-TPS-01 Pressure Sensor 0-500mm
- SI-TPS-02 Pressure Sensor 0-1m
- SI-TPS-03 Pressure Sensor 0-3m

2. Dimension and Installation



3. Technical Parameters

- Supply power: 10-30VDC
- Output: 1-5VDC
- Accuracy: 0.5% F.S

4. Electrical Connection

Direct wire structure electrical connection:

- Red wire: 10-30VDC System Positive+
- Black wire: System Negative -
- Yellow wire: Voltage Sense Output+

5. Installation Method

- Install at places where are easy for operation and installation
- Keep away from vibration source
- Keep away from hot source
- It is better to connect measuring pipes by valves
- Tighten hexagon of transmitter when installation
- Do not turn the connector and housing

6. Safety Usage Notice

- Be careful when carrying and installing the transmitters to avoid damage of collision to influence the performance of circuits.
- There is diaphragm at the transmitter pressure inlet, do not touch it with foreign body.
- Please strictly follow wiring instruction to do the electrical connection. False electrical connection will cause damage to amplifying circuits.
- Please contact Enerdrive if there is any problem with installing or usage. When products operate abnormally, please do not open to repair. Contact Enerdrive for further installation help.

