

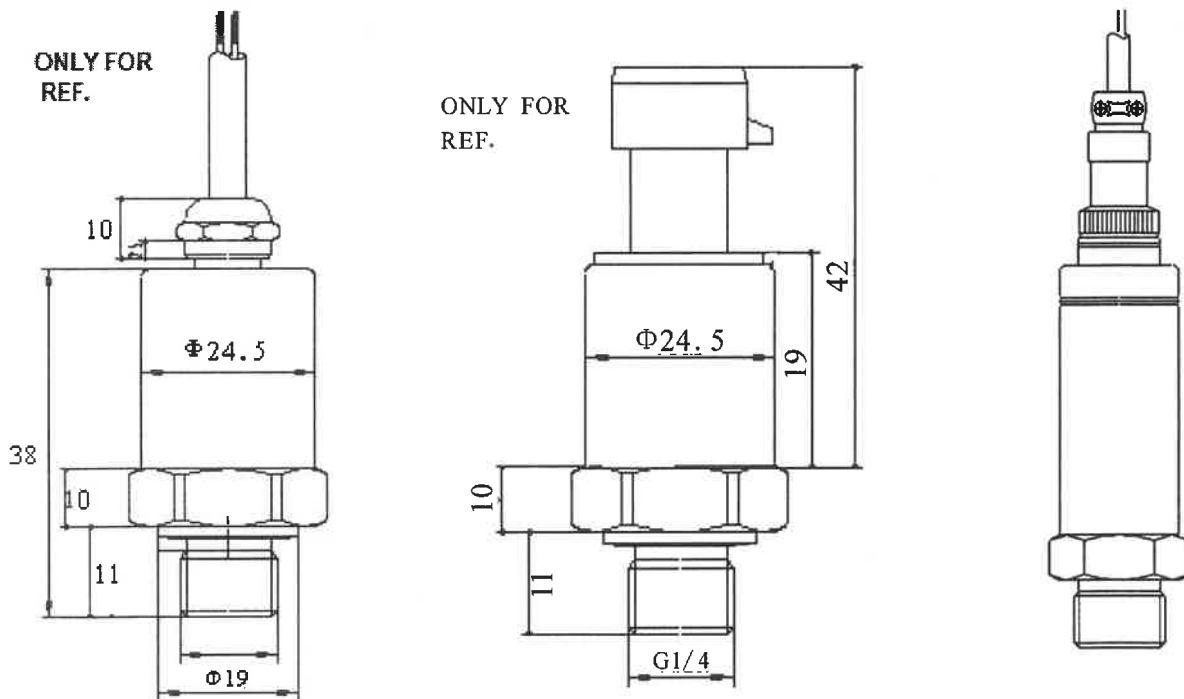
WNK80MA Pressure Transmitter

Operation Instruction

1. Overview

WNK80MA is a series of high performance compact pressure transmitter by using ASIC signal conditioning chip and dry ceramic capacitive pressure sensor. 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 solved poor overload in 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, WNK80MA is especially suitable for manufacturing of high-performance industrial control pressure transmitter and harsh environment pressure measurement.

2. Dimension and installation.



3. Technical parameters

Supply power: 3.3V; 5V; 10-30V DC;

Output: IIC; 0.5-4.5V; 0-5V; 4-20mA;

Accuracy: 0.5%; 1.0%F.S;

(Please subject to the actual parameters of the product)

4. Electrical connector: (Please subject to the actual parameters of the product)

Cable outlet/Din43650/ three-pin aviation plug		
Current	Power supply	IIC
Red①: positive Black②: current output	Red①: positive Black②: negative Yellow③: voltage output	Red①: VCC Yellow②: SCL White③: SDA Black④: GND

Four-pin aviation plug		
Current	Power supply	IIC
Brown①: positive White②: current output	Brown①: positive White②: negative Blue③: voltage output	Brown①: VCC White②: SCL Blue③: GND Black④: SDA

5. Installation method

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

6. Safety usage notice

- 1) Be careful when carrying and installing the transmitters to avoid damage of collision to influence the performance of circuits;
- 2) There is diaphragm at transmitter pressure inlet, do not touch it with foreign body;
- 3) Please strictly follow wiring instruction to do electrical connection. False electrical connection will cause damage to amplifying circuits;
- 4) Please contact with our company if there is any problem of installing or usage. When products operate abnormally, please do not open to repair by yourself but contact with our factory promptly.

