
Pressure Transmitter

User Guide

1. Overview

The pressure sensitive core of the pressure transmitter adopts a high-performance silicon piezoresistive core of charged pressure. The internal special integrated circuit converts the sensor millivolt signal into a standard voltage, current or frequency signal, which can be directly and easily connected with the computer interface card, control instruments, smart instruments or PLC etc. Long-distance transmission can use current output method. The series features small size, light weight, all stainless steel sealed structure, and can work in corrosive environments. The product is easy and simple to install, also has extremely high vibration and shock resistance, and is widely used in process control, aviation, aerospace, automobile, medical equipment, HVAC and other fields.

2. Dimensions and Installation

Figure 1 shows the shape of the Hirschmann joint

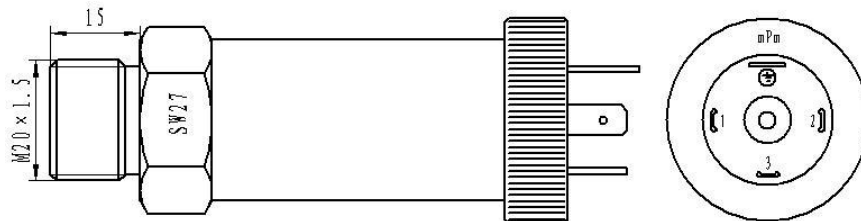


Figure 1

Figure 2 shows the direct lead outline

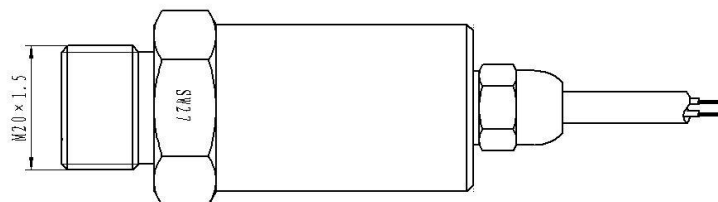


Figure 2

3. Technical Specifications

Power supply: 24VDC;

Accuracy: 0.5% F.S;

4. Electrical connections

4.1 The electrical connection of the Hirschmann structure is as follows :

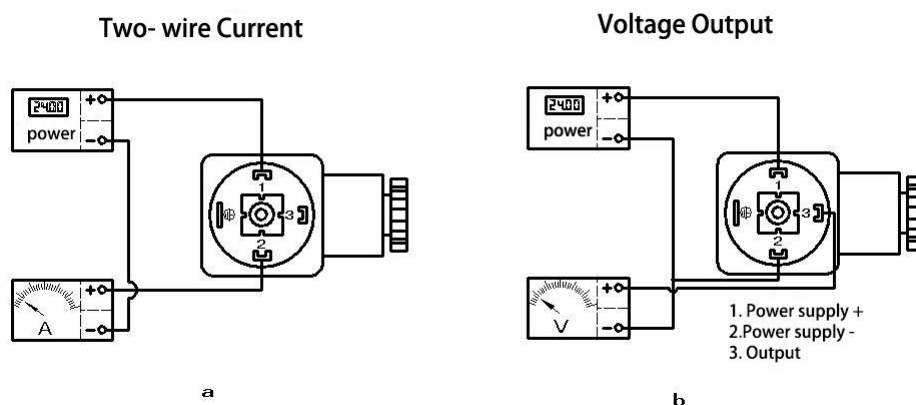


Figure 3

4.2 Electrical connections of direct lead structures:

Red line: 24VDC;

Green line: Current output

5. Installation method

- (1) Choose a place that is easy to operate and maintain for installation;
- (2) Install as far away from vibration sources as possible;
- (3) Places that should be kept away from heat sources as far as possible;
- (4) Preferably connected to the measuring pipeline via a valve;
- (5) Clamped to the transmitter hexagon with a wrench during installation;
- (6) The connection between the Hirschmann connector and the housing cannot be turned during operation.

6 Precautions for safe use

- (1) When handling and installing the transmitter, please be careful to avoid damage to components that may affect negatively the performance of the circuit
 - (2) There is an isolation diaphragm in the pressure inlet of the transmitter, do not touch it with foreign objects.
 - (3) Please strictly follow the wiring method for electrical connection. Wrong wiring will cause damage to the amplifier circuit.
 - (4) If you encounter any problem during the installation and use of the product, please contact with our company. When the product is abnormal, please do not open it for repairs by yourself, should contact the manufacturer in time.
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