

PTT04V Integrated Temperature Transmitter



1. Overview

The integrated field intelligent temperature transmitter produced by our company is an ultra-small, high-performance, high-precision measuring meter. With digital display, small size, light weight, easy to use and install, it turns the temperature of the controlled object into electrical signals. It can be directly installed in the junction box to form an integrated structure with on-site sensing elements. This not only saves compensation wires and cables, but also reduces signal transmission distortion and interference, thereby obtaining high-precision measurement results.

It is usually used together with display instrument, recording instrument and electronic computer, with current output of 0-10V

2. Features

- ▲. The data is processed by the single-chip microcomputer with high stability.
- ▲. It has the functions of anti-reverse connection, anti-surge, anti-vibration, moisture-proof, heat-proof, and anti-harmful gas.
- ▲. Good stability, fast response, high precision, impact resistance
- ▲. Standard Hessman appearance.
- ▲. Wiring reverse and overvoltage protection, current limiting protection
- ▲. Small structure, easy to install

3. Application areas

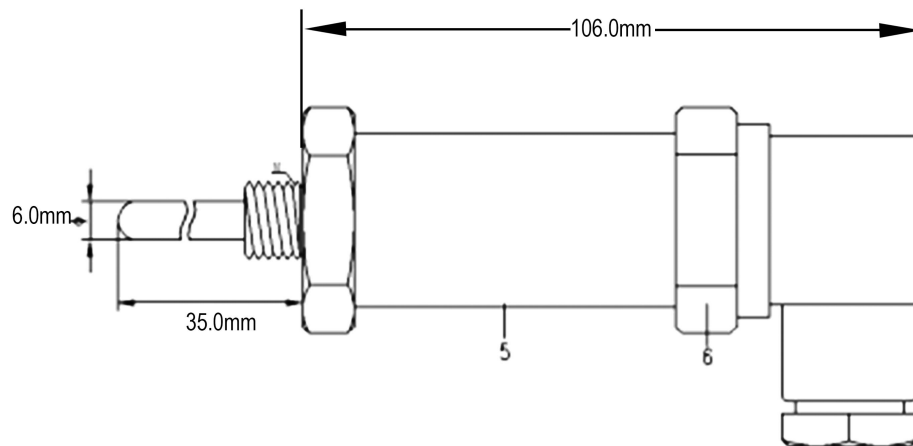
Wide range of applications, such as:

- Chemical
- Metallurgy
- Petroleum
- Electricity
- Environmental protection
- Water treatment
- Pharmaceutical
- Food

4. Technical index

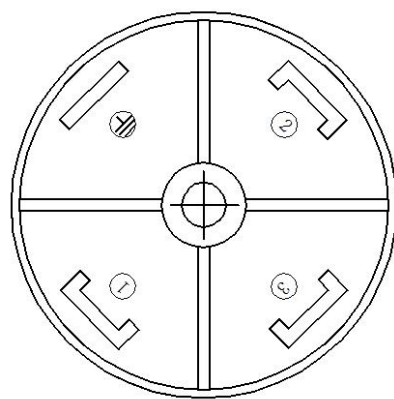
Maximum range	-200-850℃
Sensor	PT100
Supply voltage	24VDC±10% or 12VDC±10% (Recommended 24VDC)
Installation interface	M20x1.5 (Customizable)
Insertion depth	50mm、100mm、150mm、200mm (Customizable)
Output	0-10V
Probe can measure temperature range	-70-200℃
Start Time	Within 2 seconds
Ambient temperature	0-60℃
environment humidity	5%-95%, No condensation
Vibrate	≤10g, f≤55Hz, amplitude≤0.5mm
Ground	In areas with high electromagnetic interference, the transmitter and cable shielding layer should be well grounded
Precision	±0.2℃, ±0.5%
Linear	±0.2% , ±0.5%
Weight	170g

5. Dimensions



6. Wiring

Subject to actual wiring



1: 24V+ 2: 24V- 3: Out