

SS1014 Series Resistance Temperature Transmitter

SS1014 series utilize a PT100 Class A resistance temperature detector(RTD) as the main sensing element to measure the medium temperature, the PT100 is temperature sensitive and varies by a special function relationship with the temperature. The sensors are all stainless steel structure, easy for fixing and high accuracy and high steady, are widely used in petroleum machinery, chemical machinery, pump and compressor, electric power, boiler and other temperature test systems.

Features

- 1, Economical price
- 2, Quick response time
- 3, Various output signals: 4~20mA, 0~10V, 0~5V
- 4, High quality 100Ω Platinum resistance sensor(Pt100)
- 5, Wide variety of temperature ranges from -50 to 400°C
- 6, Fixing extension, good performance of heat dissipation



Precautions

- 1, Please check the packing when you get the products
- 2, Please check the model number when you get the products
- 3, Please do not connect the transmitter during the installation
- 4, Please DO NOT install the transducer near a heating element
- 5, Please DO NOT install the transducer near a vibration source

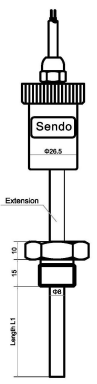
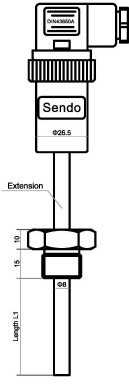
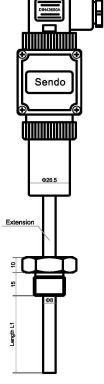
Parameters

| | |
|-----------------------|------------------------------|
| Supply Voltage | 12~36VDC |
| Output Signal | 4~20mA 1~5V 0~5V |
| Temperature Range | -50~400°C(any range in this) |
| Accuracy | 0.5%FS |
| Ambient Temperature | -40~85°C |
| Stability | ≤0.2% FS/Year |
| Temperature drift | ±0.2% FS/°C |
| Insulation | 100MΩ/250VDC |
| Thermal response time | ≤30s |

Mechanical Configurations

| | |
|-----------------------|-----------------------------------|
| Screw Connection | M16*1.5 M20*1.5 M27*2 G1/4 |
| Electrical Connection | Hirschman Direct Cable |
| Sealing Rating | IP65 |
| Probe Length | 30mm,50mm,100mm,150mm,200mm,300mm |
| Probe Material | Stainless Steel 304 |
| Sensor | Pt100 |
| Probe diameter | Ø8mm |

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| Drawings & Electrical Connections | | | | | |
|---|---|---|----------------------------|------------|----------|
| Direct cable | Hirschmann | Display | 4-20mA current output | | |
|  |  |  | Pin | Wire Color | Function |
| | | | 1 | Red | Supply + |
| | | | 2 | Blue | Output + |
| | | | 0-10V, 0-5V voltage output | | |
| | | | Pin | Wire Color | Function |
| | | | 1 | Red | Supply + |
| | | | 2 | Yellow | Output + |
| | | | 3 | Green/Blue | Com |

| Ordering Informations | | EXAMPLE: <u>SS1014 A 01 A 02 F 06 Z</u> |
|-----------------------|---|---|
| 1 | Electrical Connection A Direct cable B Hirschmann C Display | A |
| 2 | Screw Connection 01 M20*1.5 02 G1/2" 03 G1/4" 04 Other | 01 |
| 3 | Voltage Supply A 5VDC B 12-36VDC C Other | A |
| 4 | Output Signal 01 4~20mA 02 1~5V 03 Other | 02 |
| 5 | Probe Length A 30mm B 50mm C 100mm D 150mm E 200mm F 300mm G Other | F |
| 6 | Temperature Range 01 -50~0°C 02 -50~100°C 03 -50~200°C 04 -50~300°C 05 -50~400°C 06 0~100°C 07 0~200°C 08 0~300°C 09 0~400°C 10 Other | 06 |

| Contact Informations | | |
|-------------------------|---|-------------------------|
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*Specifications subject to change without notice, the latest date sheet please contact: sales@sendo-sensor.com