

SLST2-21

Pipe welded stainless steel PT100 temperature sensor

User Manual

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Suobo SLST2 series PT100 sensor platinum resistance is made of platinum wire with a purity of 99.9995%. It has stable performance, good repeatability, high precision and good linearity in a certain temperature range. It is an internationally recognized mature product. The international temperature standard ITS-90 also stipulates that the platinum resistance with special structure is used as the 13.5033K--961.78 °C standard thermometer. Platinum resistance is widely used for temperature measurement in the range of -200--850 °C, usually in the industry. Below 600 °C, the temperature range of different models of SLST2 can be found in the technical parameters. The extremely low power consumption makes the SLST2-X the first choice for all kinds of applications.

Technical Parameters

| Technical parameter | Parameter value |
|--|--|
| Brand | SONBEST |
| Temperature measurement range | -50°C to +100°C (optional with other ranges) |
| Detecting Core Devices | PT100 |
| Temperature Measurement Accuracy | ± 0.3°C (optional ±0.3°C) |
| Thermal Response Coefficient | 10mΩ/K |
| The resistance of the sensor at 0 °C | 1000Ω±0.12Ω/K |
| The resistance of the sensor at 0-100 °C | 0.385Ω/K |
| Reference Execution Standards | Using EN 60751 Class B Standards |
| Power | DC3~5.5V |

Wiring instructions

Any incorrect wiring can cause irreversible damage to the product. Please carefully wire the cable as follows in the case of power failure, and then connect the cable to confirm the correctness and then use it again. Some products have no lead, the core color is for reference only.

| ID | Core color | Identification | Note |
|----|------------|----------------|------------------------------|
| 1 | Red、BLACK | R- | One foot of the resistor |
| 2 | Blue | R+ | Another foot of the resistor |

Contact Us

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