

SLST1-23

Double thread type temperature sensor

User Manual

File Version: V19.11.4



SLST1 series digital temperature sensor adopts DS18B20 digital temperature sensor from Dallas Semiconductor of the United States. The sensor is packaged in a stainless steel case and is waterproof and moisture-proof. The specially designed sensor stainless steel case has a wall thickness of only

0.15mm and has a small heat storage capacity. The metal pad molding process allows the DS18B20 to be in full contact with the inner wall of the stainless steel, and is sealed with a high thermal conductivity sealant to ensure high sensitivity of the temperature sensor and minimal temperature delay.

Technical Parameters

Technical parameter	Parameter value
Brand	SONBEST
Temperature measuring range	-30°C~80°C
Temperature measuring accuracy	±0.5°C @25°C
Power	DC3~5.5V
Temperature Resolution	9-12 Bits (0.0625°C)
temperature measurement speed	750ms (12-bit resolution)
hold cable length	>=100 meters
Dimensions	see dimension drawing

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.

ID	Core color	Identification	Note
1	Red	VCC	Power V+
2	Green	GND	Power V-
3	Blue	DQ	Signal

In the case of broken wires, wire the wires as shown in the figure. If the product itself has no leads, the core color is for reference.

Disclaimer

This document provides all information about the product, does not grant any license to intellectual property, does not express or imply, and prohibits any other means of granting any intellectual property rights, such as the statement of sales terms and conditions of this product, other issues. No liability is assumed. Furthermore, our company makes no warranties, express or implied, regarding the sale and use of this product, including the suitability for the specific use of the product, the marketability or the infringement liability for any patent, copyright or other intellectual property rights, etc. Product specifications and product descriptions may be modified at any time without notice.

Contact Us

Company: Shanghai Sonbest Industrial Co., Ltd

Address: Building 8, No.215 North east road, Baoshan District, Shanghai, China

Web: <http://www.sonbest.com>

Web: <http://www.sonbus.com>

SKYPE: soobuu

Email: sale@sonbest.com

Tel: 86-021-51083595 / 66862055 / 66862075 / 66861077