

SLET5000



[http:// www.sonbus.com](http://www.sonbus.com)

Field data temperature collection server

Product Overview

SLET5000 field data temperature collection server with high strength and high impact resistance protection box, the box sealed super, waterproof, moistureproof, dampproof. Products are widely used in field research, scientific detection, fire, outdoor and other areas of environmental monitoring.

Parameters

| Parameter | Value |
|--|---|
| Supply voltage | DC 12.6V |
| screen size | 7 inch |
| Screen Resolution | 1280 * 800 pixels |
| RAM | 2GB |
| hard disk | 32GB |
| system | Windows8.1 |
| Life time | > 2 hours |
| Communication method | RS485 * 3, USB * 2, Ethernet, WIFI, Bluetooth |
| Operating environment temperature and humidity | 0 ° C to 40 ° C, 0% RH to 80% RH, |
| Storage environment temperature and humidity | -10 ° C to 70 ° C, 0% RH to 80% RH |
| Dimensions | 330 * 265 * 130mm |
| Protection class | IP67 (closed lid seal state) |



ORDERING INFORMATION

| Type | Order No. |
|----------|-----------|
| SLET5000 | SLET5000 |

Interface Description



Interface Description



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Interface the pin is defined as follows:

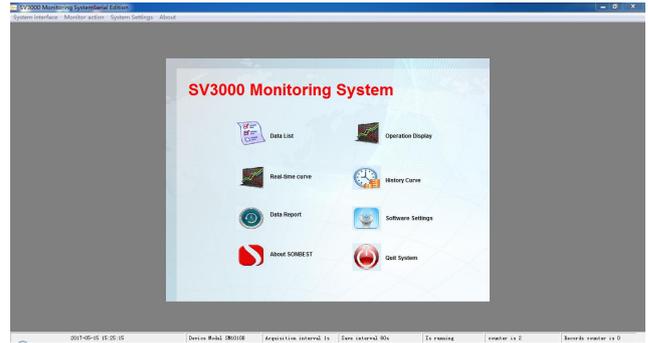
| NO. | Name | Features |
|-----|------------------------|--|
| 1 | Master switch | The total power switch inside the device |
| 2 | Power button | Device power on button |
| 3 | USB-1 | USB interface 1 |
| 4 | USB-2 | USB interface 2 |
| 5 | RS485-1 | RS485 interface 1 |
| 6 | RS485-2 | RS485 interface 2 |
| 7 | Power indicator light | Displays the remaining battery power inside the device |
| 8 | Ethernet port | Ethernet interface |
| 9 | Power interface-1 | Equipment external power supply and charging interface |
| 10 | Screen | Screen display area |
| 11 | Pressure balance valve | Automatic adjustment of air pressure balance |
| 12 | Power interface -0 | Equipment external power supply and charging interface |
| 13 | RS485-3 | RS485 interface 3 |

Equipment wiring



Device boot

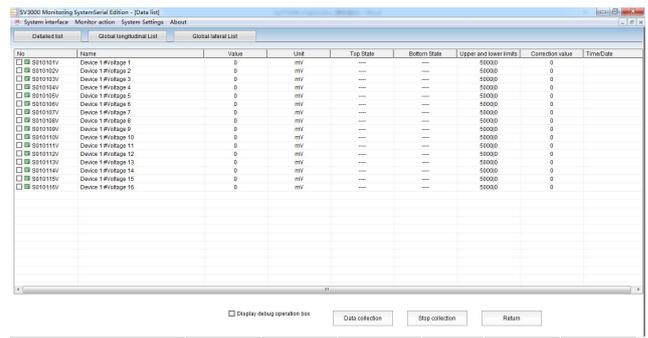
First open the main switch (1) open, and then long press the power button (2), until the screen appears after the release button, boot into the desktop, wait about 20 seconds, the software automatically run.



The picture is divided into six main functions:

- (1) Data list
- (2) Operation Display
- (3) Real-time curve
- (4) Historical curve
- (5) Data reporting
- (6) Software settings

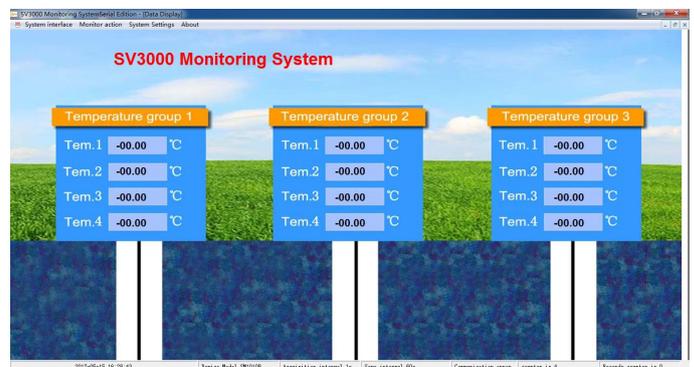
(1) A list of points



The screen shows the current measurement of all equipment measurement points, each device default rotation 1 second refresh time.

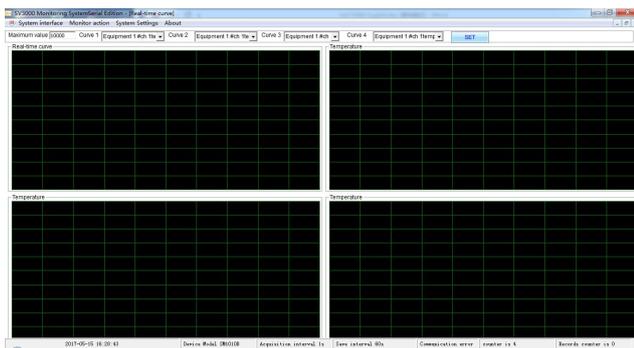
You can set up or add devices and channels in the software settings.

- (2) Run the screen



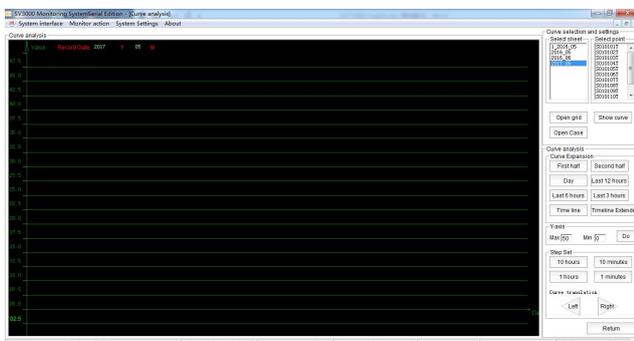
The screen displays the measurement results and distribution of the current project.

(3) Real-time curve



The current screen display for the device real-time measurement data composition curve (the screen supports four points), easy to observe the changes in the scene.

(4) Historical curve



The current screen display for the device history data composition curve (screen support 5 points), to facilitate statistical data analysis.

(5) Data reporting

The screenshot shows the 'Data reporting' interface with a detailed data table. The table has columns for 'Id', 'Time', 't1', 't2', 't3', 't4', 't5', 't6', 't7', 't8', 't9', 't10', 't11', 't12', 't13', 't14', 't15', 't16', 't17', 't18', 't19', 't20', 't21', 't22', 't23', 't24', 't25', 't26', 't27', 't28', 't29', 't30', 't31', 't32'. The data rows show temperature readings and other parameters for various time intervals.

The current screen for the history of data to view and export, support the export of Excel and TXT files

Data is exported in the default: D:\Program Files\SV3000 Monitoring System\data\

The screenshot shows an Excel spreadsheet with a large table of data. The table has columns for 'Id', 'Time', 't1', 't2', 't3', 't4', 't5', 't6', 't7', 't8', 't9', 't10', 't11', 't12', 't13', 't14', 't15', 't16', 't17', 't18', 't19', 't20', 't21', 't22', 't23', 't24', 't25', 't26', 't27', 't28', 't29', 't30', 't31', 't32'. The data rows show temperature readings and other parameters for various time intervals.

(6) Software settings

The screenshot shows the 'Software initialization settings' dialog box. It contains the following fields and options:

- Model:** 1000 (Master Model)
- Address:** 1
- Start No.:** 13
- Infact used channels:** 1
- Infact used points:** 1

Buttons include 'Clear all hardware information', 'Generating', and 'Quit'. A note states: 'Please fill in the IP address of the access device'.

The screen shows the software parameters of the adjustment and settings, the default factory has been set up, the user does not need to make any adjustments.