SV3000

Dynamic data monitoring system software

Software Overview

Popular industrial control usually PLC and DCS control system, and both have their own limitations. With the development of computer technology, the emergence of the configuration software, the open, flexible and versatile control, quickly showing strong vitality, has been widely used in various control systems, increasing market share. However, smaller applications, which by way of business and price points, so that customers stay away. In order to make monitoring easier, we have developed the SV3000 series software, low cost, fast and efficient is the principle of the software design. SONBEST dynamic data monitoring system software SV3000 is SONBEST module or instrument better user-friendly and developed specialized monitoring software. For the convenience of users to quickly grasp and understanding of the Software Development Division I offers a range of screen tutorial.

Note:

Software due to the need, will continue to upgrade, if the software does not match with the manual, software description shall prevail. Export Data feature of this product must be installed OFFICE2003 EXCEL or earlier, does not support OFFICE2007 or later. If you use OFFICE2007 or later, use the Export TXT file format and then import the EXCEL spreadsheet.

Software Environment

SV3000 can be installed on windows xp, windows 8, window 7 64-bit platforms, but need to install office2003 version. Software for the hardware configuration requirements low, hard disk space is larger than 1G, memory is greater than 1G, CPU and single-core or more.

Use of software

The software is divided into the demo version, commercial version, and OEM version. [Demo version] This version allows users to quickly, true, comprehensive understanding of software functionality, interface, and features. The fundamental difference between this version and the other version is that this version is no communication function, cannot be set up and modify the configuration. [Business] Business Edition has a full-featured, 256 measuring points. There are after-sales service and technical support. [OEM] version of the software according to user needs to develop customized version of the software, users only pay for custom or supporting the use of large customers.



http:// www.sonbus.com



Software licensing and copyright notice

The software seized by the Shanghai SONBEST Industrial Co., Ltd. independent research and development, without permission, you cannot use this software. Software uses machine code in the manner authorized, licensed software only use a single computer.

Software installation and use matters needing attention

- 1. WIN7 users please use compatible XP SP3 mode and administrator status to install the software.
- Please use OFFICE2003 version of the office software, or data cannot be exported normally.
- 3. Software, it is recommended that the installation directory under the data.mdb rename, so that the software re-database

Software Installation

After downloading the software, unzip the package, you can see "SV3000.exe" file, double-click to install (subdivision software name will be different, such as "SV3000-SC1200B temperature measurement system commercial version. Figure 1 shows:

SV3000 Monitoring System for SM1230B.exe SV3000 Monitoring System Se...

Figure 2.1 Software running icon

Double-click, click Next.

Select the appropriate installation path.



Click [Next] three times to complete the installation.

If the installation process, 360 and other security software prompted the warning, please click to allow this operation, the software guarantees no viruses or Trojans.

🕞 Setup - SV3000 Monitoring	System	
	Completing the SV30 Monitoring System SC Setup has finished installing SV3000 M your computer. The application may b the installed shortcuts. Click Finish to exit Setup.	00 etup Wizard onitoring System on e launched by selecting
	F	inish

After the successful installation of the software interface

After the software is successfully installed, it will automatically generate shortcuts on the desktop or in the vicinity of the generated menu bar.



As shown, we can double-click the icon desktop to run the software.

Software default installation location is: "C: \ Program Files (x86) \ SV3000 Sambo environment online monitoring system"

Software instructions

3.1 Column description

The main interface of the software is shown as below:



Software main interface

Publication Order Number: **SV3000**

Software is divided into measuring points list, run the screen, real-time curve, historical curve, data reporting, software settings, and several other major sections.

- [Main Interface] is a navigation panel, allowing users to easily switch to the various operator interface.
- 【Data List】 The list of measuring points will be displayed, and the built-in debugging function will let the user get familiar with the hardware system quickly.
- 【Operation Display】 is a configuration screen and real-time data display, configuration screen users can change.
- [Real-time curve] dynamic display curve trends, real-time display of up to 8 points in real-time curve.
- [Data Report] can view the historical data, can also lead the data into EXCEL form way.
- [Software Settings] Used to set communication, module, measuring point and configuration screen and other information.

3.2 Software Licensing

In order to better serve the user search Bo, the software used in conjunction with the way the computer hardware licensing. One set of software is limited to one computer. After the software installation, double-click the software icon, enter the software, the pop-up 【SV3000 software authorized to identify】 interface.



For the SONBRST product user or normal version of the customer, you can directly apply to the salesperson software license key. If you just want to know the software, you can directly enter the demo mode.

3.3 Data list

[Data List] can display real-time data of all measuring points and display them in the form of list. For the convenience of user's observation and use of data, the list is divided into "Detailed list", "Global longitudinal list" and "Global lateral list". Switch the way as shown:

A SV3000 Monitoring SystemSerial Edition - [Data list]						
🛎 System interface	Monitor action	System Settings	About			

Dotandullat	GiobariongitudinarEist	Giobal lateral List	
			-

【Detailed list】 to measure the address, name, measurement, unit, etc. For the header. Throughout the survey point information and data. Such as the interface, the normal collection will be numbered, name, measured value, unit, upper limit, lower limit, upper and lower limits, correction value, time, date. 【Upper limit】, 【Lower limit】 is the alarm state, it is the state judgment after comparing the current measured value with 【upper and lower limit value】.

🖲 System interface M	Ionitor action System Settings Al	bout		_ 6 ×
Detailed list	Global longitudinal List	Global lateral List		
No	Name		Value	Unit
S010101V	Device 1 #Voltage 1		0	mV
S010102V	Device 1 #Voltage 2		0	mV
🗆 🖾 S010103V	Device 1 #Voltage 3		0	mV
S010104V	Device 1 #Voltage 4		0	mV
🔲 🖾 S010105V	Device 1 #Voltage 5		0	mV
🔲 🖾 S010106V	Device 1 #Voltage 6		0	mV
S010107V	Device 1 #Voltage 7		0	mV
🗆 🖾 S010108V	Device 1 #Voltage 8		0	mV
🗆 🖾 S010109V	Device 1 #Voltage 9		0	mV
S010110V	Device 1 #Voltage 10		0	mV
S010111V	Device 1 #Voltage 11		0	mV
S010112V	Device 1 #Voltage 12		0	mV
🔲 🖾 S010113V	Device 1 #Voltage 13		0	mV
🔲 🖾 S010114V	Device 1 #Voltage 14		0	mV
🗆 🖾 S010115V	Device 1 #Voltage 15		0	mV
🗆 🖾 S010116V	Device 1 #Voltage 16		0	mV
2016/10/0 1	2:01:27 During Held	-		

Detailed measurement point list mode

【Global longitudinal list t】 This list mode is used to display all the measurement points in the vertical direction. It is commonly used in multi-module to compare data.

System interface M	onitor action System Settings Al	bout
Detailed list	Global longitudinal List	Global lateral List
Module	Module1	
I ✓ 1#	0	
2#	0	
3#	0	
4#	0	
5#	0	
 🖾 6#	0	
7#	0	

【Global lateral list】This list mode displays all measured data horizontally, which is used to compare the actual measured data of the same position.

System interface	Monitor acti	on System Set	tings	About			
Detailed list	Glot	al longitudinal L	ist	G	lobal lateral List		
Module	1	Measuring po	Meas	suring po	Measuring po	Measuring po	Measuring po
1 #1230 modul	e	0	0		0	0	0

3.4 Debugging function

In the list of measurement points, built-in debugging function, allowing users to MODBUS-RTU protocol and hexadecimal commands to quickly check the hardware can be checked.

mmand	01 03 00 00 00 10 44 06)0
teply			*

As shown in Figure, you can check the "Display debugging operation box", you can see the MODBUS-RTU command debugging box.

MODBUS-RTU command debugging box has the device address, function code, starting address, data length and so on. [Address] is the device ID of the current operation. The value range is 1-35.

[Function code] Query the input register's command code, generally 3, do not modify,

[Start Reg] Query all data generally from 0 to start, if inquires the data of a certain position, can input corresponding number.

【Data length】 The number of data to be queried in the current device.

Debugging process, you can manually modify the above items, click [manual acquisition] can see the reply command. If there is no response to check the hardware or communication interface.

[Manual] If the hardware connection is normal, the serial port configuration is also normal, click this button, the device should be on the RX indicator flashes. If not, check the hardware. After the device responds, the software can parse the data into the current measurement.

【Data collection】 If the debugging is normal, click this button, the software will set the acquisition frequency and save time interval for daily data collection and preservation.

【Stop collection】 Click to stop collecting and saving data. "Show debugging operation box" in the acquisition parameter settings are serial port number, baud rate, storage time interval and timing acquisition time.

- Acquisition narameters set

Serial number	COM1	▼ Baud Rate 9600 ▼	Open
Storage interval	60	s (Value range 1 to 65535)	Close
Fiming interval		e (Value range 1 to 60)	Save

【Serial number】 here with the actual access serial port number, if the desktop, usually COM1 or COM2, or USB converter mapped into a serial port, the general COM3-16, can access the computer hardware information in the query. [Baud rate] here generally do not have to modify, commonly used value of 9600.

[Storage Interval] This parameter generally refers to the time interval for saving data. The value range is 1-65535 seconds.

【Timing interval】 This parameter generally refers to the sampling period, the value of 1-60 seconds, can also be understood as the software running heartbeat interval.

After the above parameters are set, click Save, the system will run directly according to the set parameters, without restarting.

3.5 Run the screen

This function is convenient for users to quickly build a beautiful and intuitive user interface. Users can replace the beautiful and intuitive industrial pictures.



The measured data can be arranged according to the actual situation. The layout of the way shown in Figure 【Software Settings】 - 【Point】 - 【Configuration settings】

Initialization Module	Point	Communication	SMS	Other	Authorizatio
Sensor List 2023001007 Senser Konstant (2)20001007 Senser Konstant (2)2000000 Senser Konstant (2)20000000 Senser Konstant (2)2000000 Senser Konstant (2)2000000 Senser Konstant (2)20000000 Senser Konstant (2)20000000 Senser Konstant (2)20000000 Senser Konstant (2)20000000 Senser Konstant (2)20000000 Senser Konstant (2)200000000 Senser Konstant (2)200000000 Senser Konstant (2)200000000000000000000000000000000000	Sentor para No. Address Module Name Detail Channel The foll Type Alarm uppu Limit lower Adjusted v: Data Rate	L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L L	Config to all measuring Unit	points	
		Save		Quit	

3.6 Real-time curve

The user needs to dynamically observe the data in a dynamic way to show the curve, the software supports 8 points dynamic real-time curve display. Select the measurement point settings: Interface [software settings] - column [communication].

Initialization	Module		Point	Communication	SMS	Other	Authorizati
Communicatio	n Options -	Serial no	nrt settings				
• RS232/RS	485	Dert	oncootango				
		Full		COM1 -			
		Baud	Rate	9600 -			
C TCP/IP	i i	TCP/IP (or GPRS or WIF	I Network Settings			
				This machine IP		- autor	matic detection
				Service Port	8080		
C GPRS							
				Starts	listening	Close Se	ervice
					-		
Pustom custo a	ottingo						
oystern cycle s	eungs						Saus
Sampling interv	al(s) 1	Value	range:1 to 60	Seconds			Save
Save interval(s)	60	Value	range:1 to 655	535 Seconds.For examp	le, vou want to sa	ve time	
	100	interv	als of 1 minute	, enter 60			
							COUIT
							Quit
							Quit
				20045012204			Quit
Software initializ	ation settin	gs					
Software initializ	ation settin	gs	Point	Communication)	SMS	iOtheri	
Software initializ	ation settin Module	gs	Point	Communication	SMS	Otheri	Culit Culit Authorizatio
Software initializ	ation settin Module	gs	Point	Communication	SMS	Other	Cuit
Software initializ Initialization T Real-time curve	ation settin Module e display sett	gs tings	Point	Communication	SMS	Other	Cuit
Software initializ Initialization T Real-time curve Curve 1	ation settin Module display set 0	gs tings —	Point) Communication	SMS)	Other	Authorizatio
Software initializ Initialization	ation settin Module display set 0	gs tings	Point	Communication Aut	SMS omatically set the	Other	Cuir Authorizatio
Software initializ Initialization Real-time curve Curve 1 Curve 2 Curve 2 Curve 3	ation settin Module e display set 0 0 0	gs T	Point	Communication)	SMS)	Other first four measure	Cuit Authorizatio
Contract initialization Curve 1 Curve 2 Curve 3 Curve 4 Curve 4	ation settin Module display set 0 0 0	gs tings —	Point	Communication	SMS	Other:	Cuit Cuit Authorizatio ement points
Software initializ Initialization Real-lime curve Curve 1 Curve 2 Curve 3 Curve 4	Ation setting Module display sett 0 0 0 0	gs tings	Point	Communication Aut	SMS	Other first four measure	Authorizatio
Curve 2 Curve 3 Curve 4 Curve 4	ation settin Module display set 0 0 0 0 0 0 0 0 0	gs tings	Point e curve display	Communication Aut	SMS) omatically set the	Other first four measure	Authorizatio
Curve 1 Curve 2 Curve 3 Curve 3 Curve 4 The system the number of	ation setting Module display set 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	gs tings tr real-tim t show	Point	Communication Communication Aut	SMS)	Other first four measure	Authorizatio
Real-time curve Curve 1 Curve 2 Curve 3 Curve 3 Curve 4 The system the number of	Ation setting Module display set 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	gs tings treal-tim t show	Point e curve display	Communication Communication Aut	SMS)	Other first four measure	Cuit Authorizatio ement points Save
Curve 4 Curve	Ation setting Module display sett 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	gs tings ur real-tim t show	Point e curve display	Communication Aut	SMS	Other first four measure	Authorizatio
Cortware initialization	ation settin Module display sett 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	gs tings	Point e curve display	Communication Aut	SMS	Other first four measure	Cuit Cuit Authorizatio Ement points Save
Curve 1 Curve 1 Curve 1 Curve 2 Curve 3 Curve 4 The system the number Database stora	ation setting Module display set 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	gs tings treal-tim t show	Point e curve display	Communication Aut	SMS)	Other first four measure	Cuit Authorizatio ement points Save
Contware initialization	ation setting Module display set 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	gs tings treal-tim t show	Point e curve display 0 data stored in	Communication Aut	SMS)	Other first four measure	cuit
Software initialization Real-lime curve Curve 1 Curve 2 Curve 3 Curve 4 The system The system Database stora Database stora Avalue of Av	Ation setting Module display setting 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	gs tings treal-tim t show	Point e curve display 0	Communication Communication Aut	SMS omatically set the int number, enter device built in a f	Other first four measure	cuit
Software initialization Real-lime curve 1 Curve 1 Curve 2 Curve 3 Curve 3 Curve 4 The system the number Database stora Database stora defaults to	Ation settin Module display set 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	gs i ings rrreal-tim t show	Point e curve display 0 data stored in :	Aut	SMS) omatically set the int number, enter device built in a f	Other first four measure	cuit Cuit Cuit Cuit Cuit Cuit Cuit

As shown in the figure, real-time display curve to set the right side of the form need to fill in the measuring point number, such as 1,2, ..., 200 and so on. If not set, so that the value can be 0.

🐱 SV3000 Monitoring SystemSerial E	dition - [Real-time curve]	-	
Bystem interface Monitor action	n System Settings About		- 8 ×
Maximum value 10000 Curve 1 D	Device 1 #Voltage 1 👻 Curve 2	Device 1 #Voltage 2 - Curve 3	3 Unused 👻 Curve 4
Real-time curve			
remperature			_
2016/10/9 13:38:24	Device Model SM1010B	Acquisition interval 1s	Save interval 60s
	1		

Real-time curve interface

3.7 Historical curve

Click 【Historical Curve】 to enter the interface, as shown in the figure.



The History Curve dialog box consists of measuring point selection and curve analysis.

【Curve selection and settings】 Because the system has many measuring points, it is impossible to analyze all the data in the same window. If necessary, we can choose the point of interest for curve analysis, the system can open at the same time at most five curves were analyzed. The left of the selection list is the data table stored monthly, and the right is the list of all measurement points. The user can choose not more than five measuring points of the measuring points. After selecting, click 【Show Curve】 to display the current curve.

【Open Case】 When clicked, the curve window will become the following interface. Users can query current measurement value and measurement point number, address and position in real time with the time line.

【Open grid】 You can turn on or off the history curve grid. 【Open grid】 Click, the curve background will be aligned with the vertical axis of the network line, easy to analyze curve data.

[Curve analysis] Curve analysis includes [Curve Extension], [Y-axis], [Step Set] [Curve translation] The system stores data as a curve table by month. As the object of curve analysis.

【Step Set】 When analyzing the curve, you can click the button to shift the curve to the left or right. This setting is mainly to set the amplitude of the click once.

[Time], [Time Line], [Fixed Time] The system stores the data as a curve table by month. After entering the dialog box, you should first select the historical time period. [Press Time], [Press Time], [Press Fixed Time] to select the time period. Time expansion, mainly by the user to enter the time range, according to the timeline expansion, mainly by the user with the time measurement line in the graph to select the time range. Expanded by a fixed time as a shortcut, click directly after the analysis of the nominal time range of the curve.

When segment selection is not made, the system will open the data record of the current month by default, if the average temperature point is recorded every hour. Where the abscissa of the graph is the time value (by date) and the ordinate is the temperature value. Use the mouse to move the timeline to the graph and display the current value of the curve when you open the legend.

3.8 Data report

The data of all measuring points in the system are stored monthly. Query reports are also generated on a monthly basis.

As shown in Figure, the right-hand list shows all measuring points. When not selected, all measuring points are automatically displayed. When the measurement data is large, the user needs to be patient and so on.

Report as shown in Figure, records include ID, time, measuring point address and other items. Each measuring point has a unique measuring point address.

Each point data generally includes 2 decimal points.

<u>y</u>								
id time	timeID	S030101L	S150101L	S160101G	S180101G	S000101T	S000102H	SO
1 2016/6/3 1	3596							
2 2016/6/3 1	3597							
3 2016/6/3 11	3598							
1 00101010 11	0500							

3.9 Export the EXCEL file

If the data does not pop-up EXCEL interface after export, please check whether the computer is installed OFFICE2003.

After the data report form, click 【EXCEL Report】 to pop up the following interface:



EXCEL forms the data content and the conversion of the data exactly the same. Exported EXCEL file data record is very clear and easy to understand. At this point the user can use a powerful EXCEL software for a variety of charts.

3.10 Export TXT

Click the

Export TXT

Export button,

will pop up Notepad file selection interface.

Select a good record to store the file location and name, such as sss.txt, the software for the current data to record:

The first record information, ID, TIME and each measuring point number, followed by the storage of all measuring points by the data. Record this format file can also be exported to EXCEL file at any time. Before export, with the bulk replacement function, remove all quotation marks, replace, the above documents were:

Open the computer's EXCEL, select the open on the TXT file,

Communication settings

In the settings section, the software provides the [system initialization], [module settings], [measurement point settings], [communication settings], [other settings and other functions]. In the measurement point settings, also includes the [configuration settings].

4.1 System initialization

System initialization for the first time the user to use the software and software hardware configuration. It is recommended to suspend data collection and logging before initializing, or to complete the configuration and save it in less than 1 minute. After the configuration is complete, be sure to restart the software.

For example, you buy the 12-channel temperature and humidity SM1210B-12 module, the system software has not been set up when the hardware. You only need to enter the address of the device into the device address, then click "Generate device and measuring point information" button, it will complete the process of adding the device. Similarly, you can add other models. Note that the configuration is complete, be sure to restart the software.

Initialization	Module	Point	Communication	SMS	Other	Authorizatio
		Softw	are initialization se	ettings		
Now system hav Clear Hardware	e 1 devices, total 1 Information	6				
Warning: for the After Clear, hard	first time, hardware ware information w	information is in ill no longer exist	correct	CI	ear all hardware int	formation
Automatic sheet	according to suppo	ort the product mo	odel and the actual device	address		
Automatic sheet Model 10	according to suppo 00	ort the product mo	odel and the actual device Master Model	address		
Automatic sheet Model 10 Address 1	according to suppo	ort the product mo	odel and the actual device Master Model	address		
Automatic sheet Model 10 Address 1 Start No. 1 Infact used cha	according to suppo 00 17 nnels 1	ort the product mo	odel and the actual device Master Model oints 1	address ———	Gene	erating

Note:

1. If data collection has been done before, you need to delete or rename the "data.mdb" database file in the directory "\ data" after installation. The system rebuilds the file after running the software.

2. The system currently supports only the list of product models, follow-up product model, I will continue to add Secretary.

3. If the configuration is incorrect, you can clear all the hardware and re-add the device hardware information

4.2 Module Settings

After the user adds the system hardware, if you need the parameters such as module name, description, round-trip time, etc., you can modify it in the module settings.



4.3 Measurement point settings

All the measuring points in the system are generated by the system initialization. When generating, the parameters such as measuring point description, name and upper and lower alarm limits are automatically generated. If you need to modify this information, you can modify this column. To modify parameters such as upper and lower alarm limits for all measuring points, tick "Apply the following parameters to all measuring points".

Initialization Module	Point Cor	mmunication)	SMS	Other	Authorization
Sensor List (1)5000101 Sensor No. is 1 (2)5010102 Sensor No. is 2 (2)5010102 Sensor No. is 3 (2)5010102 Sensor No. is 5 (6)5010105 Sensor No. is 5 (6)5010105 Sensor No. is 6 (9)5010105 Sensor No. is 9 (9)5010103 Sensor No. is 10 (10)50101107 Sensor No. is 10 (10)50101107 Sensor No. is 13 (14)50101112 Sensor No. is 14 (13)5010112 Sensor No. is 13 (14)50101147 Sensor No. is 13 (14)50101147 Sensor No. is 13 (14)50101147 Sensor No. is 13 (14)50101147 Sensor No. is 15 (14)50101147 Sensor No. is 15 (14)5010147 Sensor No. is 15 (14)501047 Sensor No. is 1	Sensor parameters No. 1 Address [S01011 Module 1 Name Device Detail Device Channel 1 The following p Type Alarm upper Limit lower Adjusted value Data Rate	1 #Voltage 1 1 #Voltage 1 1 #Voltage 1 1 #Voltage 1 5 5 5000 0 1 0 1	Configu all measuring p Unit	vation settings points	
Delete Sensor		Save		Quit	

To further set the coordinate information of the measuring point in the configuration screen, we provide the configuration setting function.

Screen configuration settings	Mea	suring point settings
verall arrangement origin Y 3940 measuring spacing X 3305 Y 387 +	Points Layout left to right lines 5 show 10 Y-spacing 0 X-spacing 0	Automatic Distribution
ext Settings ont Name Arial size 1 Color 0000	6 Set font Apply font	Save
Background set	Background mode or transparent mode	Preview
ixed size or auto size	0 High 840	Quit
Background picture settings The change at the screen to "real-	time acquisition" screen	Change picture

Click "Configuration" to pop up the setup interface shown in Figure 4.3.2 and open the configuration screen. The configuration settings include screen configuration settings, measuring point configuration of the two basic functions. Screen configuration, the user can arbitrarily choose their own picture as the background screen, just click "change screen" button. Automatic positioning is used to locate all measuring points in a matrix. Positioning can be directly on the screen to see the results. You can also use the Reduce or Increase buttons to adjust the left and right margins. You can also adjust the position of the measuring point by up, down, left and right.

For measuring point display text size, background, foreground color, etc. can be adjusted. The example effect of the adjustment is shown in Figure. The method is shown in. After adjustment, you can preview the effect, not satisfied with the reset.

	jurauon seurings inveasuring point seturings
ensors list 1)S010101V 2)S010102V 3)S010103V 4)S010104V 5)S010105V 6)S010105V 8)S010105V 8)S010108V 9)S010108V 10)S010111V 12)S010112V 13)S010112V 13)S010113V 14)S010114V 15)S010116V	No. Address Information X X Y re-locate Apply to all sensors Text size and font Font name Set font Font size 24 Font color 0000 Patch size, and color mode Background Background color Scaling Fixed size width 2650 high [840

Move the measuring point method:

- 1. Select the measuring point
- 2. Click "Reposition"

3. On the configuration screen, double-click the same measuring

point and move the measuring point

4. Lower the measuring point and save.

4.4 Communication Settings

Communication settings and cycle settings these two items in the "List Display" section has been mentioned.



[Baud rate] here generally do not have to modify, commonly used value of 9600.

[Storage Interval] This parameter generally refers to the time interval for saving data. The value range is 1-65535 seconds.

【Sampling interval】 This parameter generally refers to the sampling period, the value of 1-60 seconds, can also be understood as the heartbeat of software running interval.

【Serial number】 In the "serial number" column, there are serial port settings, the default port COM1, many computers do not have serial port USB / RS232 converter, often change the serial number.

General USB / RS232 need to install the driver. The conversion cable into the computer USB interface, whether the normal installation can be done as follows:

My computer (right) ---- Management - Device Manager. See USB / RS232 conversion is correctly identified, from Figure 2.2.2 can be seen using the current port number COM3. After ensuring that there is no "!" After the identification, it indicates that the port Com3 is currently available.



In the software "communication settings" - "serial settings", select the actual use of the port, as in the above example COM3, and then save.

As shown in Figure 4.3.4, the real-time display curve is set to the right of the form need to fill in the test point number, such as 1, 2... 200 and so on. If not set, so that the value can be 0

4.5 SMS settings (optional SMS module)

When the user connects the SMS alarm module, you can use the software settings - SMS settings, to configure the alarm on duty phone.

Initialization M	lodule	Point	Communication	SMS) Other	Authorization
SMS connection device serial port Ba COM4 96	ud Rate				Connection	Disconnect
TestSMS center number: SMS center number: Send Content:	+8613800	0591500 e	Send a test n	nessage *	The same meas number to send ; messages: The same alarm interval times	uring point alarm 1 , SMS time 1
Automatically receive	SMS feature	s disabled	Start	Close	8613918126020	
			*	Pacalva	Separated by a between multip	comma le mobile
				COCOING		

As shown above, the general SMS center number does not need to modify, users only need to fill in the "alarm mobile phone number" column to receive the SMS alarm phone number. The same number of SMS sent SMS, the general write 2 more appropriate, if the number is too large, will cause the accumulation of SMS on duty. "The same warning, the number of SMS interval" that is 2 times the interval between sending text messages, in seconds, the general default is 20 seconds. In this way, the same alarm situation occurs, the system will send two messages to the police, the two time interval of 20 seconds.

About software

	SV30	000 Monitoring System	
	Version12.10. Shanghai 2 and transmitt enterprise, fro including agri and other indu further lower It system, the D the software. This software or instrument it	003 SONBEST Industrial Co., Ltd. as a pri- sr, instrumentation and industrial co m its inception in July 2008, several ment to the present hundreds of pro- culture, electricity, geological survey, stries, the product also made the m the cost to the usert o quickly form the vision I SV3000 series of special lau only with can be used for SONBEST used, please contact the authorized	offessional sensors, modules offersors, modules offersors, modules from the ducts, involved in industries water, environment ajority of users, in order to ir own online monitoring inch preferential version of hardware sensor, module dealert
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