SR6632B

Low power consumption 5 channels Soil temperature and humidity recorder

User Manual

File Version: V23.7.25

SR6632B using the standard ,easy access to PLC，DCS and other instruments or systems for monitoring 温 humidity state quantities.The internal use of high-precision sensing core and related devices to ensure high reliability and excellent long-term stability,can be customized

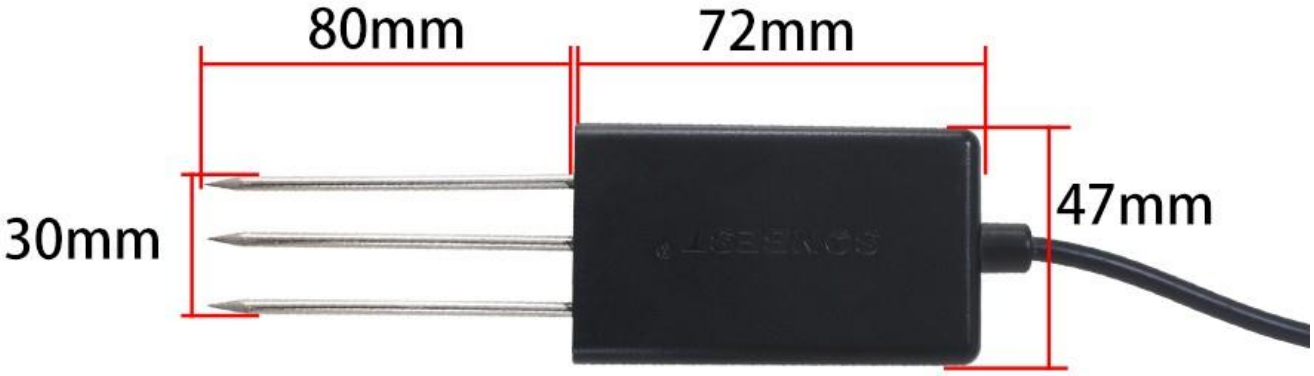
RS232,RS485,CAN,4-20mA,DC0~5V\10V,ZIGBEE,Lora,WIFI,GPRS and other output methods.

Technical Parameters

Technical parameter	Parameter value
Brand	SONBEST
Power	DC5V 1A
Running temperature	-30~85℃
Working humidity	5%RH~90%RH

Product Size

H: 33mm



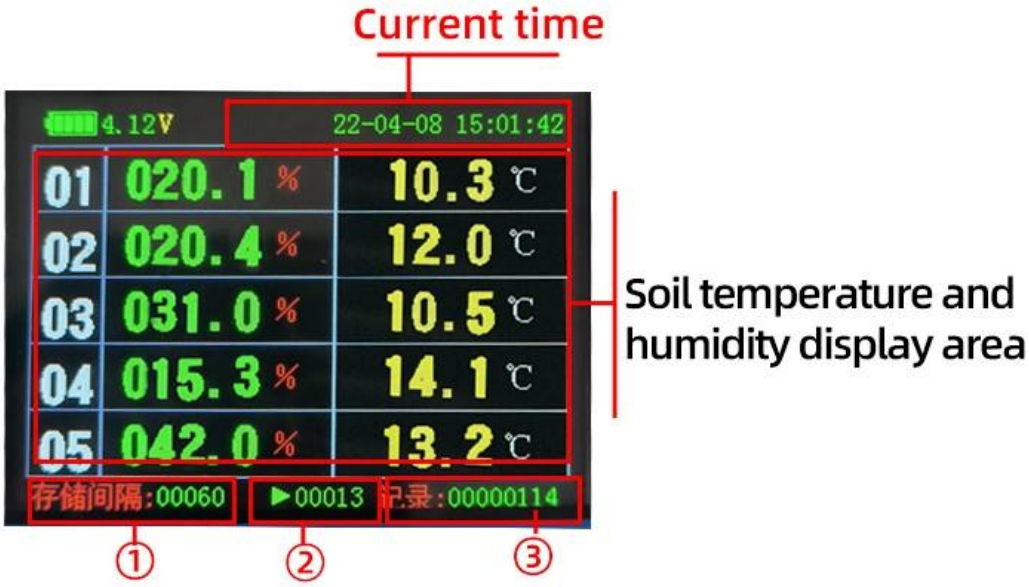
Thickness: 14mm

STRUCTURE AND DISPLAY

SET : Set the time & storage parameter

▽ △ : Up and down

≫ : Shift/Start & Stop Timer



① The timer storage interval can be set up to 64800 seconds This option is set via SET

② Storage counters

③ Number of recordings: In normally open mode, timed storage is performed according to the storage interval In sleep mode, the storage interval is also timed by storage interval

Press "SET" to enter the clock settings
Use↵ Shift, adjust the value up and down

Press "SET" a second time to enter the memory Storage interval settings
The upper limit can be set to 100 seconds per time

Press "SET" a third time to enter the note Record the start point setting
The upper limit can be set to more than 60,000

Reset button

Power switch

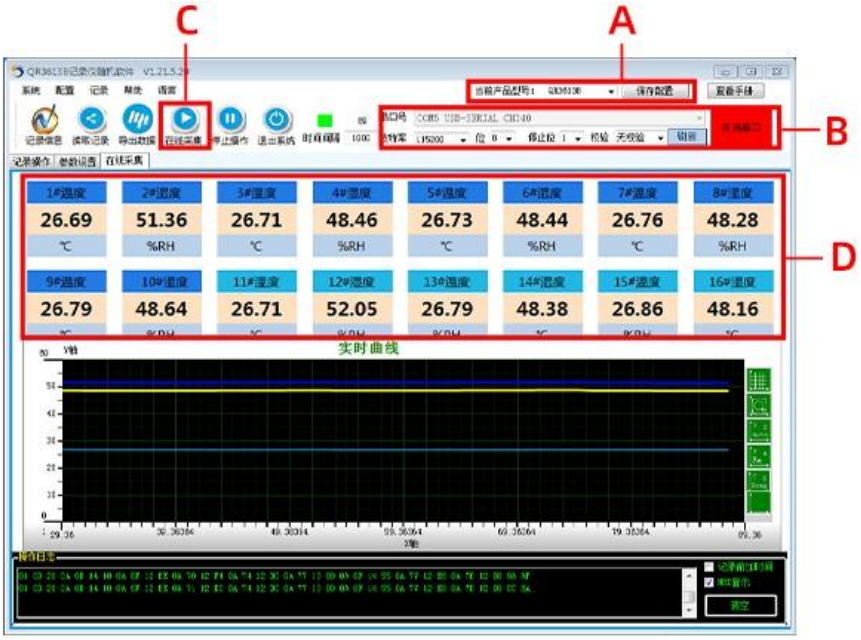
USB data port

Work/hibernate Mode switching

DC5V Charging port

Sensor terminal block

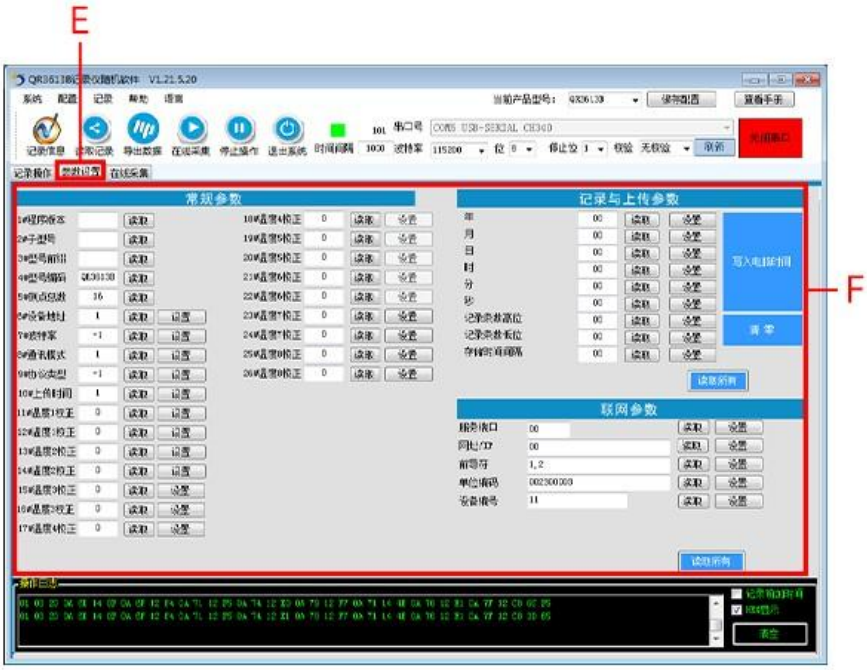
SOFTWARE INSTRUCTIONS



A:After opening the software, enter the main interface, select the corresponding product model at the time of purchase, and save the settings after selection, in case you need to reselect it after opening it next time.

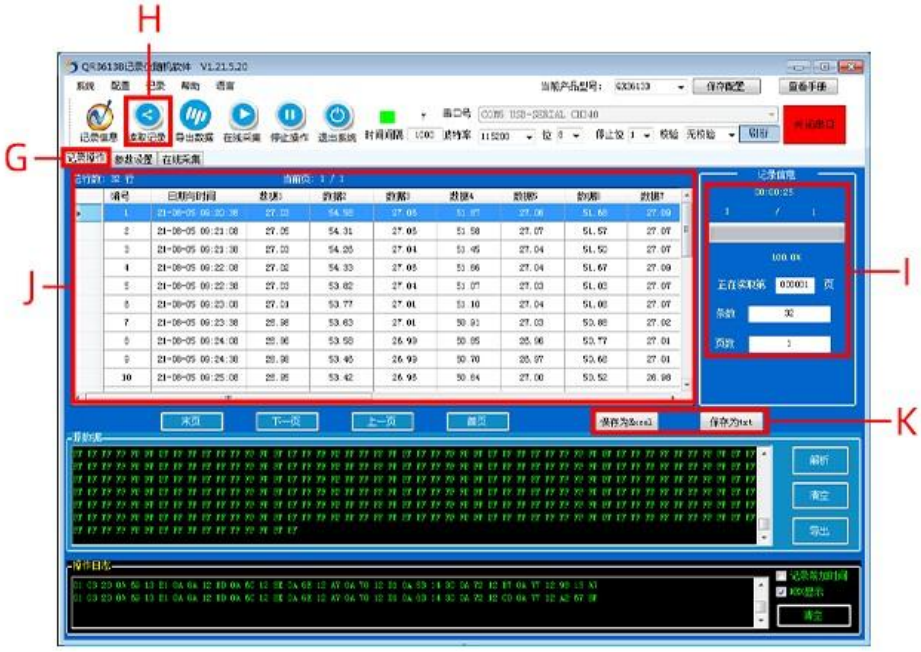
B:Use the USB converter to insert the computer's USB2.0 interface, the driver will be installed automatically,
If the installation fails, you can install it in the driver wizard software. After connecting to the computer,
Select the serial port number: USB-SERIAL CH340 (COM5),set the baud rate
Click to open the serial port to complete the connection.

C D:After opening the serial port, click online collection (C) to see the real-time measurement data (D).



E:Enter the parameter setting interface

F:A variety of parameters can be set in the parameter setting, such as temperature and humidity correction, baud rate, upload time and other parameters. For the parameters on the right, you can click on ''read all'' to set the parameters on the recorder.



G:Enter the record operation interface

H:Click ''Read Data'' to start transferring the data on the recorder to the software.

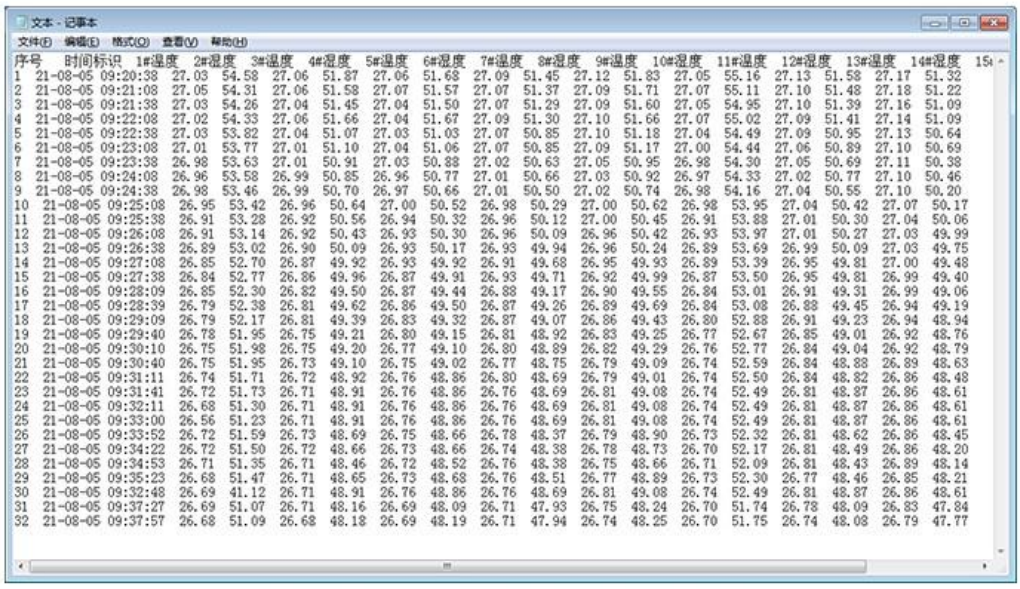
I:After the step (H), the number of read data, the total number of data, and the number of pages will be displayed at the top of the reading.

J:The read data will be displayed on it

K:You can export the read data in Excel or txt format

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	ID	Time	1#温度	2#温度	3#温度	4#温度	5#温度	6#温度	7#温度	8#湿度	9#温度	10#温度	11#温度	12#湿度	13#温度	14#湿度	15#温度	16#湿度
2	1	2021/8/5 9:20	27.03	54.58	27.05	51.87	27.06	51.88	27.09	51.45	27.12	51.83	27.05	55.16	27.13	51.58	27.17	51.32
3	2	2021/8/5 9:21	27.05	54.31	27.05	51.58	27.07	51.57	27.07	51.37	27.09	51.71	27.07	55.11	27.1	51.48	27.18	51.22
4	3	2021/8/5 9:21	27.03	54.26	27.04	51.45	27.04	51.5	27.07	51.29	27.09	51.6	27.05	54.95	27.1	51.39	27.16	51.09
5	4	2021/8/5 9:22	27.02	54.33	27.05	51.66	27.04	51.57	27.09	51.3	27.1	51.66	27.07	55.02	27.09	51.41	27.14	51.09
6	5	2021/8/5 9:22	27.03	53.82	27.04	51.07	27.03	51.03	27.07	50.85	27.1	51.18	27.04	54.49	27.09	50.95	27.13	50.64
7	6	2021/8/5 9:23	27.01	53.77	27.01	51.1	27.04	51.06	27.07	50.85	27.09	51.17	27	54.44	27.06	50.89	27.1	50.69
8	7	2021/8/5 9:23	26.98	53.63	27.01	50.91	27.03	50.88	27.02	50.63	27.05	50.95	26.98	54.3	27.05	50.69	27.11	50.38
9	8	2021/8/5 9:24	26.96	53.58	26.99	50.85	26.96	50.77	27.01	50.65	27.03	50.92	26.97	54.33	27.02	50.77	27.1	50.46
10	9	2021/8/5 9:24	26.98	53.46	26.99	50.7	26.97	50.86	27.01	50.5	27.02	50.74	26.98	54.16	27.04	50.55	27.1	50.2
11	10	2021/8/5 9:25	26.95	53.42	26.95	50.64	27	50.52	25.98	50.29	27	50.62	26.98	53.95	27.04	50.42	27.07	50.17
12	11	2021/8/5 9:25	26.91	53.28	26.92	50.56	26.94	50.32	25.96	50.12	27	50.45	26.91	53.88	27.01	50.3	27.04	50.06
13	12	2021/8/5 9:26	26.91	53.14	26.92	50.43	26.93	50.3	25.96	50.09	26.96	50.42	26.93	53.97	27.01	50.27	27.03	49.99
14	13	2021/8/5 9:26	26.89	53.02	26.9	50.09	26.93	50.17	25.93	49.94	26.96	50.24	26.89	53.69	26.99	50.09	27.03	49.75
15	14	2021/8/5 9:27	26.85	52.7	26.87	49.92	26.93	49.92	25.91	49.68	26.95	49.93	26.89	53.39	26.95	49.81	27	49.48
16	15	2021/8/5 9:27	26.84	52.77	26.85	49.96	26.87	49.91	25.93	49.71	26.92	49.99	26.87	53.5	26.95	49.81	26.99	49.4
17	16	2021/8/5 9:28	26.85	52.3	26.82	49.5	26.87	49.44	25.88	49.17	26.9	49.55	26.84	53.01	26.91	49.31	26.99	49.06
18	17	2021/8/5 9:28	26.79	52.38	26.81	49.62	26.86	49.5	25.87	49.25	26.89	49.69	26.84	53.08	26.88	49.45	26.94	49.19
19	18	2021/8/5 9:29	26.79	52.17	26.81	49.39	26.83	49.32	25.87	49.07	26.88	49.43	26.8	52.88	26.91	49.23	26.94	48.94
20	19	2021/8/5 9:29	26.78	51.95	26.75	49.21	26.8	49.15	25.81	48.92	26.83	49.25	26.77	52.67	26.85	49.01	26.92	48.76
21	20	2021/8/5 9:30	26.75	51.98	26.75	49.2	26.77	49.1	26.8	48.89	26.82	49.29	26.75	52.77	26.84	49.04	26.92	48.79
22	21	2021/8/5 9:30	26.75	51.95	26.73	49.1	26.75	49.02	25.77	48.75	26.79	49.09	26.74	52.59	26.84	48.88	26.89	48.63
23	22	2021/8/5 9:31	26.74	51.71	26.72	48.92	26.76	48.86	26.8	48.69	26.79	49.01	26.74	52.5	26.84	48.82	26.86	48.48
24	23	2021/8/5 9:31	26.72	51.73	26.71	48.91	26.76	48.86	25.76	48.69	26.81	49.08	26.74	52.49	26.81	48.87	26.86	48.61
25	24	2021/8/5 9:32	26.68	51.3	26.71	48.91	26.76	48.86	25.76	48.69	26.81	49.08	26.74	52.49	26.81	48.87	26.86	48.61
26	25	2021/8/5 9:33	26.56	51.23	26.71	48.91	26.76	48.86	25.76	48.69	26.81	49.08	26.74	52.49	26.81	48.87	26.86	48.61
27	26	2021/8/5 9:33	26.72	51.59	26.73	48.69	26.75	48.56	25.78	48.37	26.79	48.9	26.73	52.32	26.81	48.62	26.86	48.45
28	27	2021/8/5 9:34	26.72	51.5	26.72	48.66	26.73	48.56	25.74	48.38	26.78	48.73	26.7	52.17	26.81	48.49	26.86	48.2
29	28	2021/8/5 9:34	26.71	51.35	26.71	48.46	26.72	48.52	25.76	48.38	26.75	48.66	26.71	52.09	26.81	48.43	26.89	48.14
30	29	2021/8/5 9:35	26.68	51.47	26.71	48.65	26.73	48.58	25.76	48.51	26.77	48.89	26.73	52.3	26.77	48.46	26.85	48.21
31	30	2021/8/5 9:32	26.69	41.12	26.71	48.91	26.76	48.86	25.76	48.69	26.81	49.08	26.74	52.49	26.81	48.87	26.86	48.61
32	31	2021/8/5 9:37	26.69	51.07	26.71	48.16	26.69	48.09	25.71	47.93	26.75	48.24	25.7	51.74	26.78	48.09	26.83	47.84
33	32	2021/8/5 9:37	26.68	51.09	26.68	48.18	26.69	48.19	25.71	47.94	26.74	48.25	25.7	51.75	26.74	48.08	26.79	47.77

EXCEL table export preview



文本 - 记事本

文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)

序号	时间标识	1#湿度	2#湿度	3#湿度	4#湿度	5#湿度	6#湿度	7#湿度	8#湿度	9#湿度	10#湿度	11#湿度	12#湿度	13#湿度	14#湿度	15
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2	21-08-05 09:21:08	27.05	54.31	27.06	51.58	27.07	51.57	27.07	51.37	27.09	51.71	27.07	55.11	27.10	51.48	27.18	51.22
3	21-08-05 09:21:38	27.03	54.26	27.04	51.45	27.04	51.50	27.07	51.29	27.09	51.60	27.05	54.95	27.10	51.39	27.16	51.09
4	21-08-05 09:22:08	27.02	54.33	27.06	51.66	27.04	51.67	27.09	51.30	27.10	51.66	27.07	55.02	27.09	51.41	27.14	51.09
5	21-08-05 09:22:38	27.03	53.82	27.04	51.07	27.03	51.03	27.07	50.85	27.10	51.18	27.04	54.49	27.09	50.95	27.13	50.64
6	21-08-05 09:23:08	27.01	53.77	27.01	51.10	27.04	51.06	27.07	50.85	27.09	51.17	27.00	54.44	27.06	50.89	27.10	50.69
7	21-08-05 09:23:38	26.98	53.63	27.01	50.91	27.03	50.88	27.02	50.63	27.05	50.95	26.98	54.30	27.05	50.69	27.11	50.38
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9	21-08-05 09:24:38	26.98	53.46	26.99	50.70	26.97	50.66	27.01	50.50	27.02	50.74	26.98	54.16	27.04	50.55	27.10	50.20
10	21-08-05 09:25:08	26.95	53.42	26.96	50.64	27.00	50.52	26.98	50.29	27.00	50.62	26.98	53.95	27.04	50.42	27.07	50.17
11	21-08-05 09:25:38	26.91	53.28	26.92	50.56	26.94	50.32	26.96	50.12	27.00	50.45	26.91	53.88	27.01	50.30	27.04	50.06
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13	21-08-05 09:26:38	26.89	53.02	26.90	50.09	26.93	50.17	26.93	49.94	26.96	50.24	26.89	53.69	26.99	50.09	27.03	49.75
14	21-08-05 09:27:08	26.85	52.70	26.87	49.92	26.93	49.92	26.91	49.68	26.95	49.93	26.89	53.39	26.95	49.81	27.00	49.48
15	21-08-05 09:27:38	26.84	52.77	26.86	49.96	26.87	49.91	26.93	49.71	26.92	49.99	26.87	53.50	26.95	49.81	26.99	49.40
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17	21-08-05 09:28:39	26.79	52.38	26.81	49.62	26.86	49.50	26.87	49.26	26.89	49.69	26.84	53.08	26.88	49.45	26.94	49.19
18	21-08-05 09:29:09	26.79	52.17	26.81	49.39	26.83	49.32	26.87	49.07	26.86	49.43	26.80	52.88	26.91	49.23	26.94	48.94
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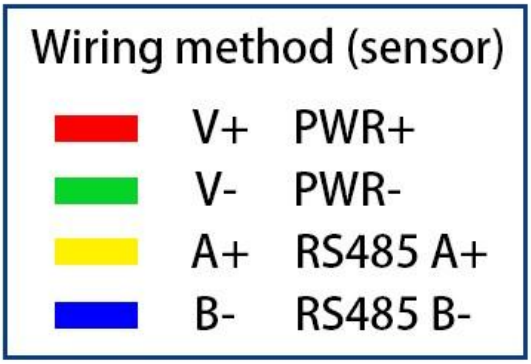
20	21-08-05 09:30:10	26.75	51.98	26.75	49.20	26.77	49.10	26.80	48.89	26.82	49.29	26.76	52.77	26.84	49.04	26.92	48.79
21	21-08-05 09:30:40	26.75	51.95	26.73	49.10	26.75	49.02	26.77	48.75	26.79	49.09	26.74	52.59	26.84	48.88	26.89	48.63
22	21-08-05 09:31:11	26.74	51.71	26.72	48.92	26.76	48.86	26.80	48.69	26.79	49.01	26.74	52.50	26.84	48.82	26.86	48.48
23	21-08-05 09:31:41	26.72	51.73	26.71	48.91	26.76	48.86	26.76	48.69	26.81	49.08	26.74	52.49	26.81	48.87	26.86	48.61
24	21-08-05 09:32:11	26.68	51.30	26.71	48.91	26.76	48.86	26.76	48.69	26.81	49.08	26.74	52.49	26.81	48.87	26.86	48.61
25	21-08-05 09:33:00	26.56	51.23	26.71	48.91	26.76	48.86	26.76	48.69	26.81	49.08	26.74	52.49	26.81	48.87	26.86	48.61
26	21-08-05 09:33:52	26.72	51.59	26.73	48.69	26.75	48.66	26.78	48.37	26.79	48.90	26.73	52.32	26.81	48.62	26.86	48.45
27	21-08-05 09:34:22	26.72	51.50	26.72	48.66	26.73	48.66	26.74	48.38	26.78	48.73	26.70	52.17	26.81	48.49	26.86	48.20
28	21-08-05 09:34:53	26.71	51.35	26.71	48.46	26.72	48.52	26.76	48.38	26.75	48.66	26.71	52.09	26.81	48.43	26.89	48.14
29	21-08-05 09:35:23	26.68	51.47	26.71	48.65	26.73	48.68	26.76	48.51	26.77	48.89	26.73	52.30	26.77	48.46	26.85	48.21
30	21-08-05 09:32:48	26.69	41.12	26.71	48.91	26.76	48.86	26.76	48.69	26.81	49.08	26.74	52.49	26.81	48.87	26.86	48.61
31	21-08-05 09:37:27	26.69	51.07	26.71	48.16	26.69	48.09	26.71	47.93	26.75	48.24	26.70	51.74	26.78	48.09	26.83	47.84
32	21-08-05 09:37:57	26.68	51.09	26.68	48.18	26.69	48.19	26.71	47.94	26.74	48.25	26.70	51.75	26.74	48.08	26.79	47.77

TXT text export preview

Wiring mode



※Note: When wiring, the positive and negative poles are supplied first, and the signal line is connected later

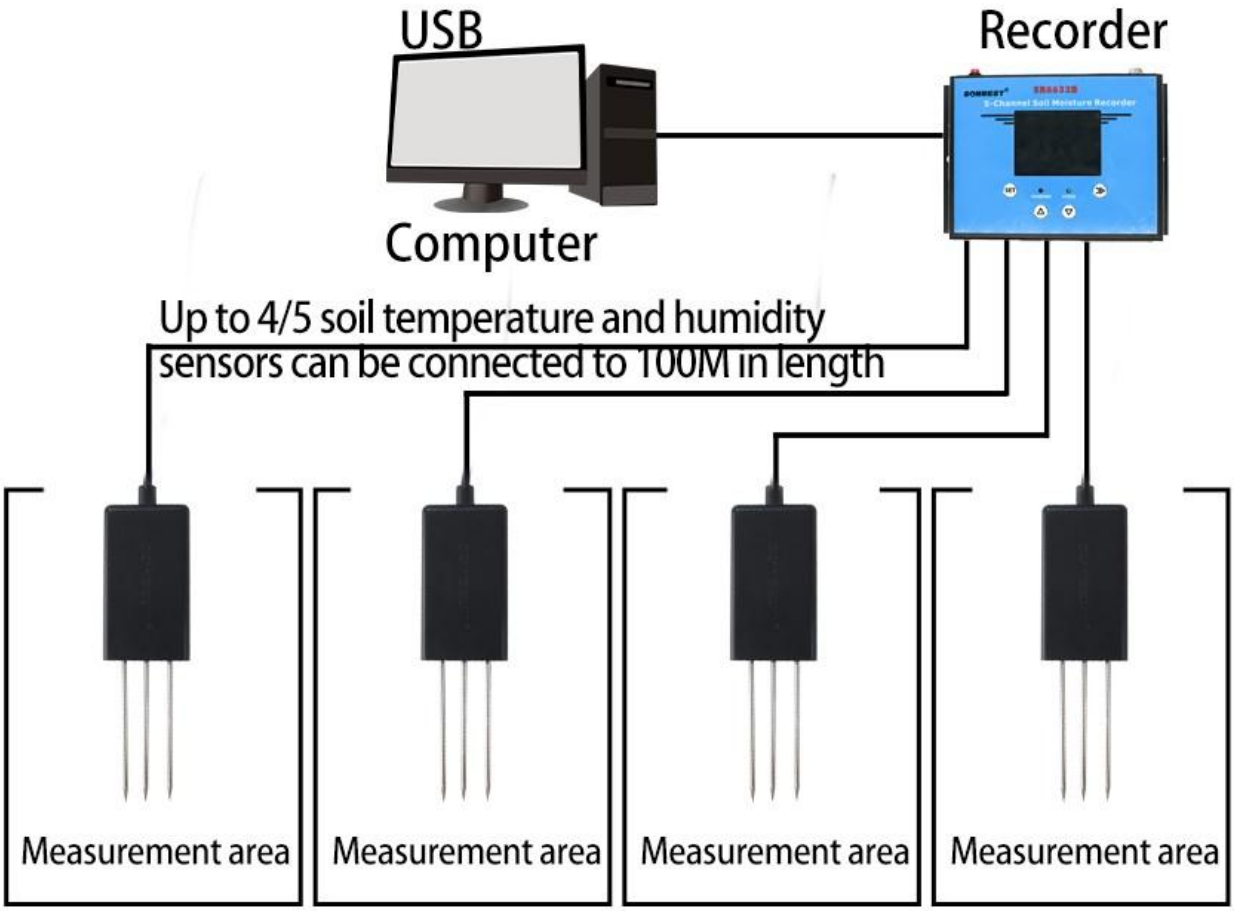
In the case of broken wires, wire the wires as shown in the figure. If the product itself has no leads, the core color is for reference.

How to use?

Low-power 5-channel soil temperature and humidity recorder can be widely used in greenhouses, plant cultivation, water-saving irrigation, sewage treatment, grassland

Application solution

■ USB read data logging application



▶ Rapid measurement

Choose a suitable measurement location, avoid rocks, cut the surface soil according to the depth required for measurement, maintain the original tightness of the underlying soil, hold the sensor vertically and insert it into the soil.

▶ Buried measurement method

Dig a pit with a diameter of about 20cm vertically, and insert the sensor needle into the pit horizontally according to the measurement requirements, and fill the pit to ensure close contact with the soil. After the sensor is stable for a period of time, continuous long-term measurement and recording can be carried out

Product List

Low power consumption 5 channels Soil temperature and humidity recorder

USB extension cable

Soil temperature and humidity sensor (5 recommended, other quantities optional)

Power cord

Disclaimer

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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