

### Introduction

S500 temperature and humidity data logger is featured with large LCD display, elegant appearance and high precision. All the sensors are produced in Switzerland, which assures duality and stability. External and internal sensors are available to fit customers' specialized need.

S500-TH



S500-TH-RJ45



S500-TH-RS485



### Standard Accessories



### Optional Accessories



### Technical Specifications

Resolution	Temperature: 0.1°C / Humidity: 0.1%RH
Power supply	9V block battery
Display	LCD display
Dimension	135mm × 124mm × 35mm (5.31" × 4.88" × 1.37" inch)
LCD size	97mm × 78mm (3.81" × 1.37" inch)
Weight	380g
Accessories	PC-Software, data cable, 9V block battery, screw, use manual, AC-DC adapter and carrying box.
Interface	RS485/RS232/USB

### Model List

USB interface type	S500-TH	S500-EX	S520-TH	S520-EX	S580-TH	S580-EX
RJ45 interface (Ethernet) model	S500-TH-RJ45	S500-EX-RJ45	S520-TH-RJ45	S520-EX-RJ45	S580-TH-RJ45	S580-EX-RJ45
RS485 interface model	S500-TH-RS485	S500-EX-RS485	S520-TH-RS485	S520-EX-RS485	S580-TH-RS485	S580-EX-RS485
Temperature Accuracy	±0.5°C	±0.5°C	±0.3°C	±0.3°C	±0.2°C	±0.2°C
Humidity Accuracy	±5%RH	±5%RH	±3%RH	±3%RH	±2%RH	±2%RH
Record Volume	43000				86000	
Sensor type	Internal	External	Internal	External	Internal	External
Temperature Measurement Range	-20~70°C	-40~85°C	-20~70°C	-40~85°C	-20~70°C	-40~85°C
Humidity Measurement Range	0~100%RH					

### Applications

It has been widely applied in agricultural research, food industry, medical industry, electrical industry, environmental protection and laboratories.

S500-ET

S520-DT



### Standard Accessories



### Optional Accessories



### Technical Specifications

Resolution	Temperature: 0.1°C
Power supply	6F22/6LR61 9V battery & 12V DC
Display	LCD display
Dimension	135mm × 124mm × 35mm (5.31" × 4.88" × 1.37"inch)
LCD size	97mm × 78mm (3.81" × 1.37"inch)
Weight	380g
Accessories	PC-Software, data cable, 9V block battery, screw, use manual, AC-DC adapter and carrying box.
Interface	RS485/RS232/USB
Audible alarm	Deviation can calibrate the instrument.

### Features:

- Original sensors imported from Switzerland.
- Storage space for 43,000 or 86,000 groups of data.
- Large screen displays temperature, humidity, number of groups data stored, and time simultaneously.
- Easy to operate; can be placed on desk or mounted on wall.
- Built-in sound and light alarm.



### Model List

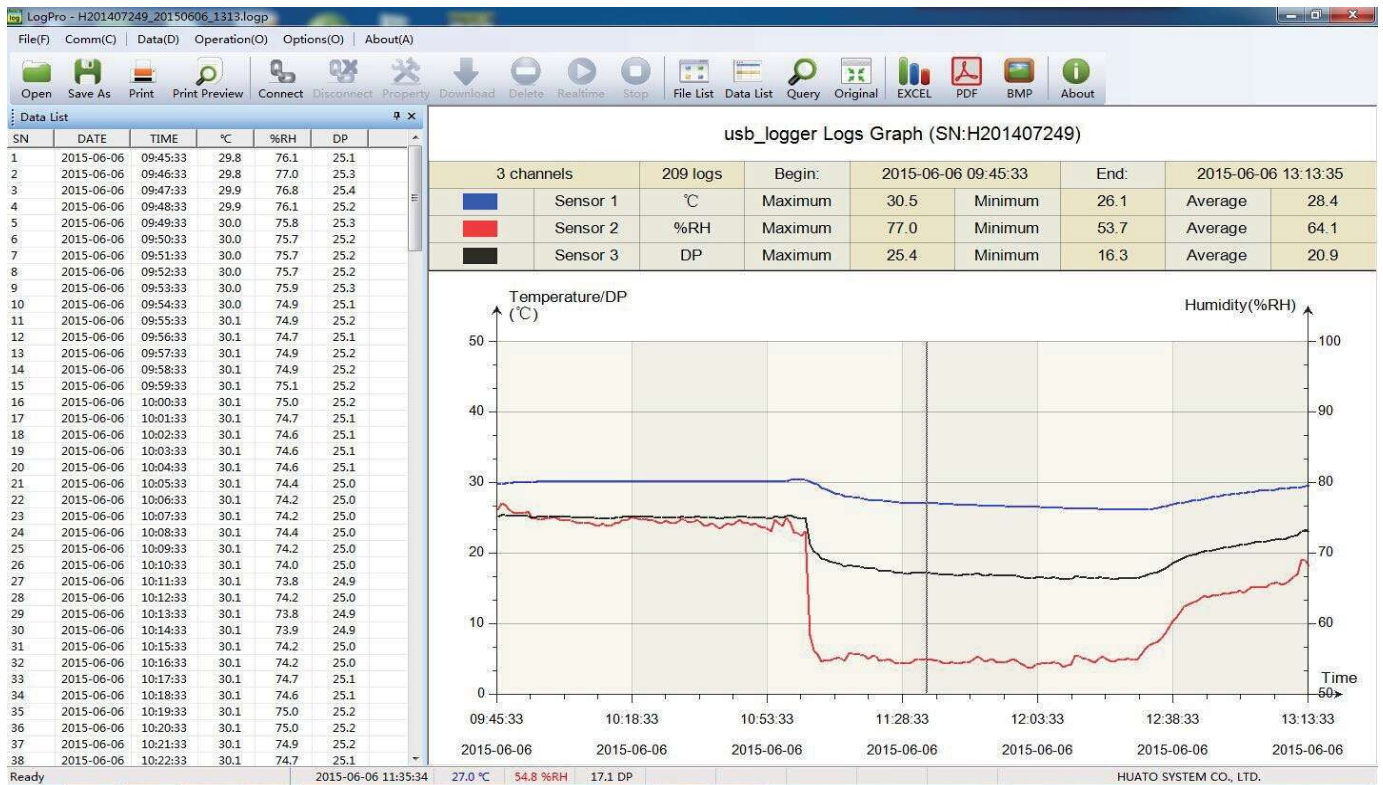
Model	S500-ET	S500-DT	S500-EPT	S500-DPT	S520-ET	S520-DT	S520-EPT	S520-DPT
Temperature Accuracy	±0.5°C	±0.5°C	±0.5°C	±0.5°C	±0.3°C	±0.3°C	±0.3°C	±0.3°C
Record Volume	43000							
Sensor type	External	External dual probe	External	External dual probe	External	External dual probe	External	External dual probe
Temperature Measurement Range	-40~85°C	-40~85°C	-100~+100°C	-100~+200°C	-40~85°C	-40~85°C	-100~+100°C	-100~+200°C

### Applications

It has been widely applied in agricultural research fields, food industry, medical industry, electrical industry, environmental protection and laboratory etc.

### Logpro Recorder Analysis Software

Logpro software is Huatu temperature and humidity recorder dedicated data analysis software, beautiful interface, elegant, easy to use and efficient, the software is very comprehensive, can logger attribute settings, download logger data, graphically analyze data, export the data to Excel / pdf / BMP and other formats.



The screenshot shows a PDF viewer displaying a table of data from the usb\_logger. The table has columns for SN, Time, Temp (°C), and Humi (%RH).

SN	Time	Temp (°C)	Humi (%RH)
1	2015-03-06 14:52:40	20.3	70.5
2	2015-03-06 14:53:40	20.2	71.1
3	2015-03-06 14:54:40	20.1	71.9
4	2015-03-06 14:55:40	20.1	71.9
5	2015-03-06 14:56:40	20.0	72.3
6	2015-03-06 14:57:40	20.0	72.6
7	2015-03-06 14:58:40	20.0	72.6
8	2015-03-06 14:59:40	20.0	72.7
9	2015-03-06 15:00:40	20.1	72.7
10	2015-03-06 15:01:40	20.0	72.8
11	2015-03-06 15:02:40	20.0	72.8
12	2015-03-06 15:03:40	19.9	73.1

The screenshot shows the LogPro software interface with the 'Data Logger Setup' window open. The window is divided into several sections: A. System, B. Sampling, C. Storage, D. Alarm, and E. Offset. Each section contains various configuration options for the data logger.

Section	Parameter	Value
A. System	Name	Logger
	Type	Data Logger
	Model	S380VAC
	SN	HE20149997
B. Sampling	Mode	Standby
	Battery	Normal
	Sampling Interval(s)	10
	Logging Interval(s)	60
C. Storage	Start Mode	No delay
	Stop Mode	FIFO
	Delay Time	0
	Logs	525
D. Alarm	Alarm	Off
	LCD	On
	Power	Normal
	CH1 High	70
E. Offset	CH1	0.0
	CH2	0.0
	CH1 Low	-20
	CH2 Low	0

The screenshot shows the LogPro software interface displaying a 'Records Report (HE20144663)'. The report includes a table of log records and a line graph showing the data over time.

SN	DATE	TIME	1st	2nd
1	2015-06-18	09:35:52	32.1	
2	2015-06-18	09:35:54	32.8	
3	2015-06-18	09:35:56	32.6	
4	2015-06-18	09:35:58	32.1	
5	2015-06-18	09:36:00	32.4	
6	2015-06-18	09:36:02	32.5	
7	2015-06-18	09:36:04	32.5	
8	2015-06-18	09:36:06	32.2	
9	2015-06-18	09:36:08	32.4	
10	2015-06-18	09:36:10	32.1	
11	2015-06-18	09:36:12	32.4	
12	2015-06-18	09:36:14	32.7	
13	2015-06-18	09:36:16	32.7	
14	2015-06-18	09:36:18	32.4	
15	2015-06-18	09:36:20	32.2	
16	2015-06-18	09:36:22	32.1	
17	2015-06-18	09:36:24	32.2	
18	2015-06-18	09:36:26	32.5	
19	2015-06-18	09:36:28	32.4	
20	2015-06-18	09:36:30	32.2	
21	2015-06-18	09:36:32	32.3	
22	2015-06-18	09:36:34	32.3	
23	2015-06-18	09:36:36	32.6	
24	2015-06-18	09:36:38	32.5	
25	2015-06-18	09:36:40	32.3	
26	2015-06-18	09:36:42	32.6	
27	2015-06-18	09:36:44	32.7	
28	2015-06-18	09:36:46	32.6	
29	2015-06-18	09:36:48	32.5	
30	2015-06-18	09:36:50	32.4	
31	2015-06-18	09:36:52	32.6	
32	2015-06-18	09:36:54	32.4	
33	2015-06-18	09:36:56	32.5	
34	2015-06-18	09:36:58	32.6	
35	2015-06-18	09:37:00	32.4	
36	2015-06-18	09:37:02	32.4	
37	2015-06-18	09:37:04	32.4	

Records Report (HE20144663)  
TOTAL LOGS: 57, CHANNELS: 1, BEGIN: 2015-06-18 09:35:52, END: 2015-06-18 09:37:44.  
CHANNEL 01, C, MAX: 32.8, MIN: 32.1, AVE: 32.4

The screenshot shows the LogPro software interface displaying a 'Records Report (HE20144663)'. The report includes a table of log records and a line graph showing the data over time. The left sidebar shows detailed settings for the data logger.

Section	Parameter	Value
A. System	1. Name	HE20144663
	2. SN	Instruments
	3. Catalogue	HER01
	4. Model	V506
	5. Hardware	
B. Sampling	1. Sampling Interval	1
	2. Log Interval	2
C. Storage	1. Logs Count	0
	2. MANU Logs	5
D. CH1	1. CH1 High Limit	1800
	2. CH1 Low Limit	0
	3. Offset	0
D. CH2	1. Upper Limit	1800
	2. Low Limit	-200
	3. Offset	0
D. CH3	1. CH3 High	1800
	2. CH3 Low	-200
	3. Offset	0
D. CH4	1. CH4 High	1800
	2. CH4 Low	-200
	3. Offset	0

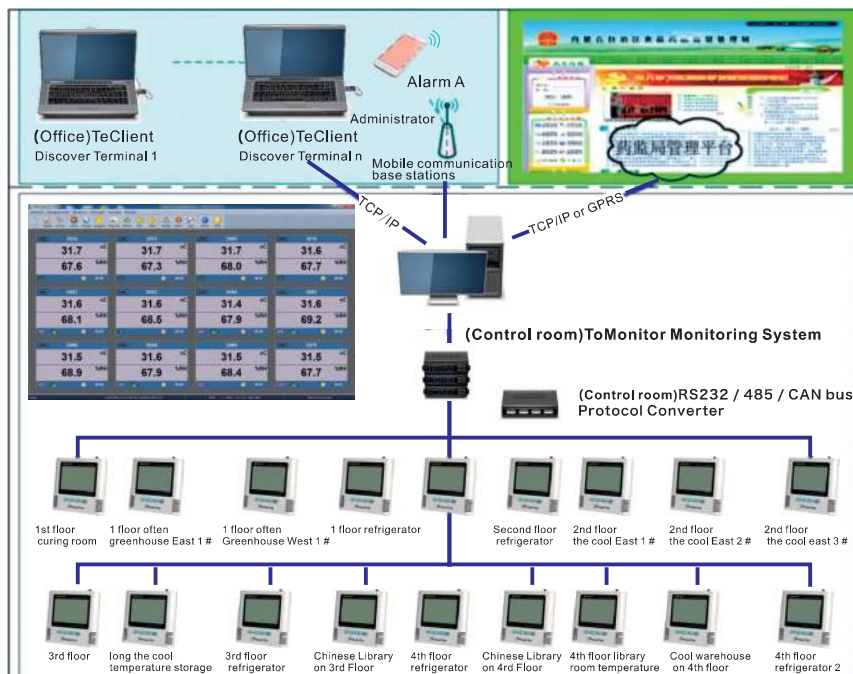
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23	2015-06-18	09:36:36	32.6	
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27	2015-06-18	09:36:44	32.7	
28	2015-06-18	09:36:46	32.6	
29	2015-06-18	09:36:48	32.5	
30	2015-06-18	09:36:50	32.4	
31	2015-06-18	09:36:52	32.6	
32	2015-06-18	09:36:54	32.4	
33	2015-06-18	09:36:56	32.5	
34	2015-06-18	09:36:58	32.6	
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### ToMonitor temperature and humidity control system (RS485 / Rj45)

#### Exceeding The Traditional Recorder Software:

- Monitoring software language: Chinese / English.
- Nice software interface, simple and practical.
- C / S structure, the user can monitor any node in the LAN environment anytime, anywhere.
- Support Access / SQL Server and other relational databases, convenient and flexible expansion.
- 24 hours stable and reliable operation, has been in the China Southern Power Grid, Kyushu-Pharmaceutical Sanjiu Pharmaceutical companies and other large-scale applications wait.
- Enterprise RS-485 Protocol (wired), TCP / IP protocol (LAN), GPRS (wireless) Hungezuwang support Household + sound and light subregion / SMS / e-mail alert.



#### ToMonitor monitoring software interface

