

S500 GSM Temperature & Humidity Data Logger

Introduction

S500-GSM data logger is designated to monitor temperature and humidity with capability to send alarming message to phone numbers set up by customers when temperature or humidity data is out of pre-defined limits; and good news when data is back within pre-defined limits. Customers can get real-time data by calling phone number in the logger.

S500-GSM

SIM card slot

Standard Accessories



Optional Accessories



SMS HE20104662:
Temp (25.0°C)
Humi (66.3%RH)



Features:

- Original sensors imported from Switzerland.
- Storage space for 65000 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.
- Alarming and real-time data query through phone message.



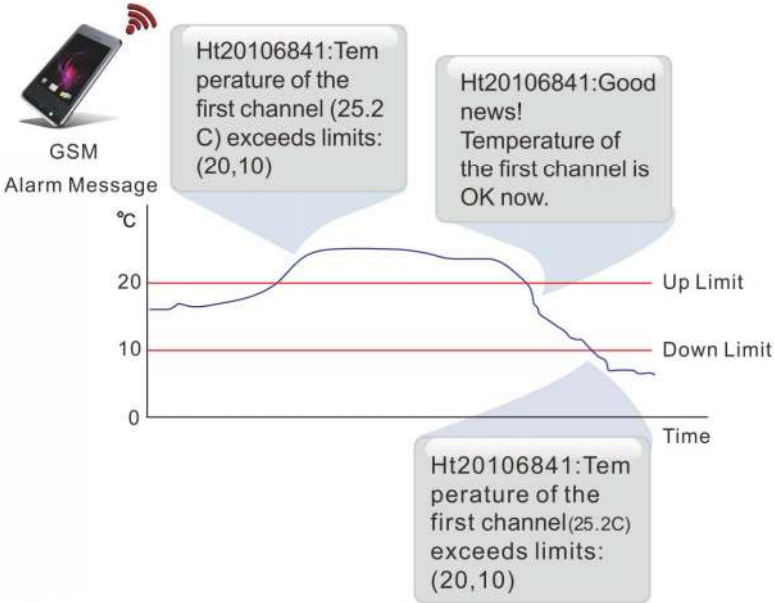
Model List

Model	S500-TH-GSM	S520-TH-GSM	S500-EX-GSM	S500-ET-GSM	S520-EX-GSM	S580-EX-GSM
Temperature Accuracy	±0.5°C	±0.3°C	±0.5°C	±0.5°C	±0.3°C	±0.2°C
Humidity Accuracy	±5%RH	±3%RH	±5%RH	/	±3%RH	±2%RH
Temperature Measurement Range	-20~70°C		-40~85°C			
Sensor type	Internal			External		
Record Volume	65000					
Humidity Measurement Range	0~100%RH					

Applications

It has been widely applied in agricultural research industry, food industry, medical industry, electrical industry, environment protection and laboratory field.

S500 GSM Temperature & Humidity Data Logger



Standard Accessories



Technical Specifications

Resolution	Temperature: 0.1°C / Humidity: 0.1%RH
Frequency Range	GSM850/900/1800/1900MHz
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, datacable, 9V block battery, screw, use manual, AC-DC adapter and carrying box.
Interface	USB

Model List

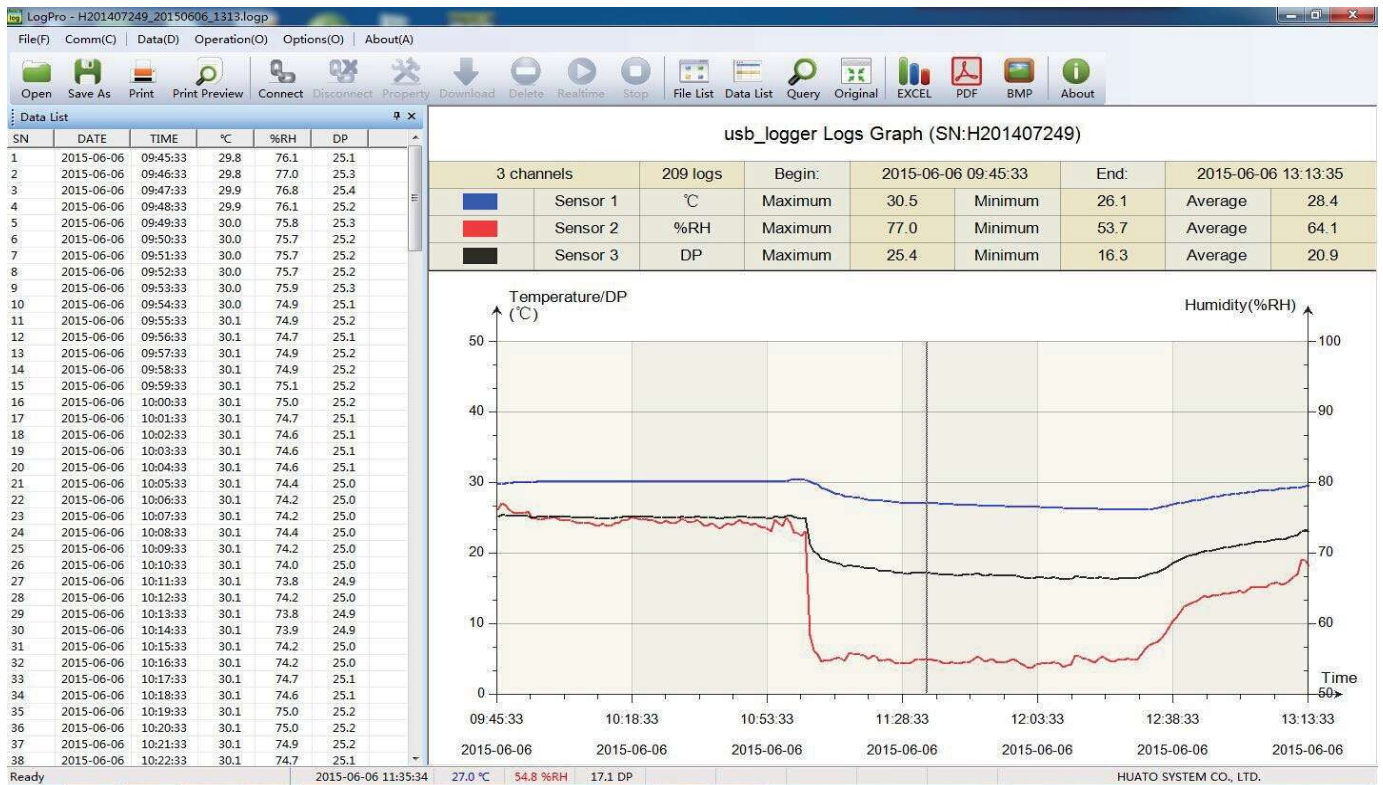
Model	S500-EX	S500-ET	S500-DT	S520-EX	S520-ET	S520-DT	S580-EX
Temperature Accuracy	±0.5°C	±0.5°C	±0.5°C	±0.3°C	±0.3°C	±0.3°C	±0.2°C
Humidity Accuracy	±5%RH	/	/	±3%RH	/	/	±2%RH
Sensor type	External						
Record Volume	65000						
Measurement Range	-40~85°C / 0~100%RH						

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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.



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 High	-20
	CH2 High	100
	CH2 Low	0
	CH2	0.0

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 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.LCH1	1. CH1 High Limit	1800
	2. CH1 Low Limit	0
	3. Offset	0
D2.CH2	1. Upper Limit	1800
	2. Low Limit	-200
	3. Offset	0
D3.CH3	1. CH3 High	1800
	2. CH3 Low	-200
	3. Offset	0
D4.CH4	1. CH4 High	1800
	2. CH4 Low	-200
	3. Offset	0

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