

### Introduction

S100 temperature data logger, developed by Huato, is featured with LCD display, elegant appearance, low energy consumption, and multiple levels of accuracy. All the sensors are manufactured in Switzerland, which assures quality and stability.

S100-T



S100-T+



### Features:

- Compact and portable design.
- Flexible recording time from 2s to 24h.
- Switchable °C and °F temperature unit.
- Battery indicator displayed to monitor batter level.
- Options for different levels of temperature accuracy.
- Energy saver: two AAA batteries can work for more than 3 months.
- Recorded data can be transferred to and analyzed by accompanied LogPro software.

CE  
EMC  
EN:61326-1

S100-ET



S100-ETN



external temperature sensor

external needle sensor

### Standard Accessories



### Technical Specifications

Resolution	Temperature : 0.1°C.
Power supply	AAA battery 1.5V×2
Display	LCD display
Dimension	92mm×57mm×20mm(3.62"×2.244"×0.78"inch)
LCD size	36mm×16mm(1.41"×0.62"inch)
Weight	150g
Accessories	PC-Software, data cable, 1.5V batter×2, user manual and carrying box.
Interface	USB

### Model List

Model	S100-T	S100-T+	S100-ET	S100-ET+	S100-ETN
Temperature Accuracy	±0.5°C	±0.5°C	±0.3°C	±0.5°C	±0.3°C
Sensortype	Internal		External, with 3m cable		
Recordvolume	43000				
Temperature Measurement Range	-20~70°C		-40~85°C		-40~120°C

### Applications

It has been widely used in cold-chain transportation, HVAC refrigerators, electrical industry, medical industries as well as laboratories.

### Introduction

S100 Temperature and humidity data logger, developed by Huato, is featured with LCD display, elegant appearance, low energy consumption, and multiple levels of accuracy. All the sensors are manufactured in Switzerland, which assures quality and stability.

S100-TH



S100-TH+



### Features:

- Compact and portable design.
- Flexible recording time from 2s to 24h.
- Switchable °C and °F temperature unit.
- Battery indicator displayed to monitor batter level.
- Options for different levels of temperature accuracy.
- Energy saver: two AAA batteries can work for more than 3 months.
- Recorded data can be transferred to and analyzed by accompanied LogPro software.



S100-EX



### Standard Accessories



### Specifications

Resolution	Temperature : 0.1°C./ Humidity : 0.1%RH
Power supply	AAA battery 1.5V×2
Display	LCD display
Dimension	92mm×57mm×20mm(3.62"×2.244"×0.78"inch)
LCD size	36mm×16mm(1.41"×0.62"inch)
Weight	150g
Accessories	PC-Software, data cable, 1.5V batter 2, user manual and carrying box.
Interface	USB

### Model List

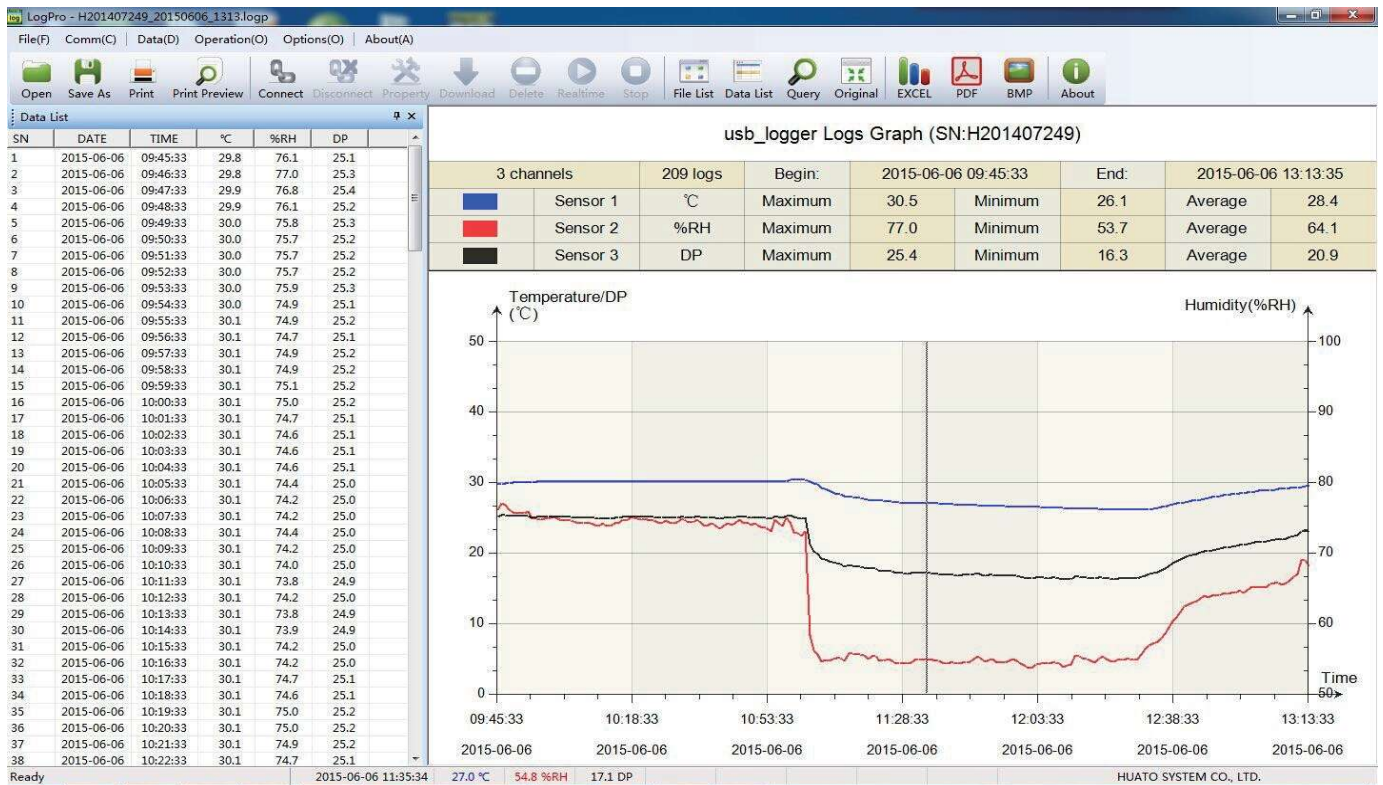
Model	S100-TH	S100-TH+	S100-EX	S100-EX+	S100-EX++
Temperature Accuracy	±0.5°C	±0.3°C	±0.5°C	±0.3°C	±0.2°C
Humidity Accuracy	±5%RH	±3%RH	±5%RH	±3%RH	±2%RH
Sensor Type	Internal		External, with 3m cable		
Record volume	-20~70°C		-40~85°C		
Measuring range	43000				
Measuring range	0~100%RH				

### Applications

It has been widely used in cold-chain transportation, HVAC refrigerators, electrical industry, medical industry as well as laboratories .

### 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 document titled 'usb\_logger' displayed in Adobe Reader. The PDF contains a table with 12 rows of data. The status bar at the bottom of the PDF shows: 2015-03-06 15:03:40, 19.9 °C, 73.1 %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 and their current values.

Section	Parameter	Value
A. System	Name	Logger
	Type	Data Logger
	Model	S380VAC
	SN	HE20149997
B. Sampling	Firmware	E1107
	Mode	Standby
	Battery	Normal
	Sampling Interval(s)	10
C. Storage	Logging Interval(s)	60
	Downmode	Save always
	Start Mode	No delay
	Stop Mode	FIFO
D. Alarm	Delay Time	0
	Logs	525
	Total	129024
	Alarm	Off
E. Offset	LCD	On
	Power	Normal
	CH1 High	70
	CH1 Low	-20
	CH2 High	100
	CH2 Low	0

The status bar at the bottom shows 'Ready' on the left and 'Time STANDBY' in the center, with 'HUATO SYSTEM CO., LTD.' on the right.

The screenshot shows the 'Records Report (HE20144663)' window. It features a 'Data List' table on the left and a line graph on the right. The graph displays the recorded data for Channel 01, C, showing a fluctuating signal over time.

**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

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	

The status bar at the bottom shows 'Ready' on the left, a timestamp '2015-06-18 09:35:58' and value '32.1 C' in the center, and 'HUATO ELECTRIC CO., LTD.' on the right.

The screenshot shows the 'Records Report (HE20144663)' window with a detailed settings panel on the left. The settings panel is organized into sections: A. System, B. Sampling, C. Storage, D. CH1, D. CH2, D. CH3, D. CH4, and 3. Capacity.

**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

Section	Parameter	Value
A. System	1. Name	HE20144663
	2. SN	Instruments
	3. Catalogue	HER01
	4. Model	V506
B. Sampling	1. Sampling Interval	1
	2. Log Interval	2
C. Storage	1. Logs Count	0
	2. MANU Logs	5
D. CH1	3. Capacity	36738
	1. CH1 High Limit	1800
	2. CH1 Low Limit	0
D. CH2	3. Offset	0
	1. Upper Limit	1800
	2. Low Limit	-200
D. CH3	3. Offset	0
	1. CH3 High	1800
	2. CH3 Low	-200
D. CH4	3. Offset	0
	1. CH4 High	1800
	2. CH4 Low	-200

The status bar at the bottom shows 'Ready' on the left, a timestamp '2015-06-18 09:36:06' and value '32.2 C' in the center, and 'HUATO ELECTRIC CO., LTD.' on the right.