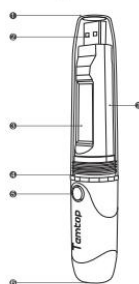


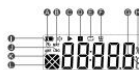
Product Overview

This temperature and humidity data logger is mainly used in the fields or places of medicine, food, life science, flowers, breeding industry, ice chest, container, shady cabinet, medical cabinet, refrigerator, laboratory and greenhouse, etc. TemLog 20H is plug and play and it can directly generate the data report, with no need to install data management software. The data can still be read in case battery runs out.

Structure Description



LCD screen



A. Battery indicator	H. Humidity unit or Progress percentage
B. Mean kinetic temperature	I. Timing indicator
C. Start recording indicator	J. Average value indicator
D. Stop recording indicator	K. Number of records
E. Cycle recording indicator	L. Combined indicator
F. Computer connection indicator	
G. Temperature unit (°C/°F)	

For more details, please refer to the menu and status indicator

Product label



1. Transparent cap	5. Button
2. USB port	6. Sensor
3. LCD screen	7. Product label
4. Seal ring	

a. Model	d. Barcode
b. Firmware version	e. Serial number
c. Certification information	

Technical Parameters

Temperature measuring range	-30°C ~ +70°C	Sensor	Built-in temperature and humidity
Humidity measuring range	10%~95%RH	Record capacity	32000 points (MAX)
Resolution	0.1°C, 0.1%RH	Log interval	10 seconds to 12 hours continuously set
Temperature accuracy	±0.5°C (-20~+40°C) ±1°C (others)	Alarm type	Single/Cumulative
Humidity accuracy	±3%RH (-25°C, 20%~90%RH) ±5%RH (others)	Alarm threshold	This data logger supports 5 temperature thresholds and 2 humidity thresholds at maximum.

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Storage temperature -30°C ~ +70°C

Report type PDF format, read by Adobe Reader

Data interface USB2.0

Battery 3.6V ER14250 disposable lithium battery

Battery life At least 24 months at 25°C with 15 minutes record interval

Size 131(length)*24mm(diameter)

Weight Approx 16g

Parameter Instruction

Users can reconfigure the parameters by data management software per actual needs. The original parameters and data will be cleared.

Alarm threshold	This data logger supports 3 upper temperature limits, 2 lower temperature limits, 1 upper humidity limit and 1 lower humidity limit.
Alarm zone	The zone which beyond the alarm threshold
Alarm type	Single The data logger records the single time for continuous over-temperature events. Cumulative The data logger records the cumulative time of all the over-temperature events.
Alarm delay	The data logger does not alarm immediately when the temperature is within the alarm zone. It begins to alarm only when the over-temperature time elapses the alarm delay time.
NIKT	Mean kinetic temperature, which is an evaluation method of the temperature fluctuation effect on the goods in storage.

Operating Instructions

This data logger can be stopped by software. Users can stop the logger by clicking the stop button in the data management software.

Action	Parameter configuration	Operation	LCD indicator
Start	Instant-on	Disconnect to USB	REC
	Timing start	Disconnect to USB	Start
	Manual start	Press and hold for 5s	REC
	Manual start (delayed)	Press and hold for 5s	Start
Stop	Manual stop	Press and hold for 5s	Stop
	Over-Max record-capacity stop (disable manual stop)	Reach the Max capacity	Stop
	Over-Max record-capacity stop (Enable manual stop)	Reach the Max capacity or press and hold the button for 5s	Stop
View		Press and release the button	Refer to the menu and status indicator

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View data

When the data logger is inserted into the USB port of the computer, the data report will be created automatically. When the document is being created the LCD screen shows the progress of PDF Report creation. The document creation will last for no more than 4 minutes.



① Rotate the transparent cap in the direction of the arrow and remove it.



② Insert the data logger into the computer and view the data report.

Description of the menus

Menu	Description	Example	Menu	Description	Example
1	Countdown of the (timing) start	03:42:5 (hour:min:sec)	7	Maximum temperature value	98
2	Countdown of the (delayed) start	03:42:5 (hour:min:sec)	8	Maximum humidity value	98
3	Current temperature value	23	9	Minimum temperature value	27
4	Current humidity value	23	10	Minimum humidity value	27
5	Points of the records	32000	11	Low power	Lo Po
6	Average temperature value	48	12	Create PDF report	PDF 28
	Average humidity value	45			

Description of the combined indicators and other status

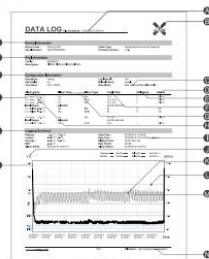
Display	Description	Display	Description
(group) 1	No alarm	(group) rotating	Rate of progress
(group) 2	Already alarmed	- -	Null value
(group) 3	Minimum value	- - -	Clear data
(group) 4	Maximum value	USB	In USB communication

Note: 1. Menu 1 appears only when the corresponding function is selected.
2. 1 should be in a state of blinking, content schema: 3 hour:42 min: 50 sec
3. The display in the combined indicator area. The same as below.

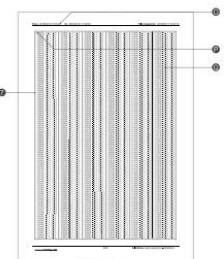
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Report



The first page

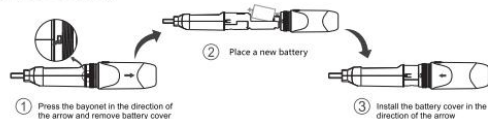


Other pages

1. Basic information	B. Alarm (alarm status as shown in the figure above)	J. Vertical coordinate unit of the data graph
2. Description of the usage	C. Stop mode that has been set.	K. Alarm threshold line (corresponding to the item L)
3. Configuration information	D. Alarm status of the temperature alarm zone	L. Alarm threshold
4. Alarm threshold and related statistics	E. Total time of exceeding the temperature alarm threshold	M. Record data curve (black indicates temperature, deep green indicates humidity)
5. Statistical information	F. Total time of exceeding the temperature alarm threshold	N. Document name being created (description of usage (U))
6. Temperature and humidity graph	G. Alarm delay and alarm type	O. Record time range in the current page
7. Temperature and humidity data details	H. Alarm threshold and temperature alarm zones	P. Records when date changes (date & temperature and humidity)
A. Document creation time (record stop time)	I. Actual stop mode (different from the item C)	Q. Records when the data is not changed (time & temperature and humidity)

Attention: The data above is only used as explanation of the report. Please refer to the actual document for specific configuration and information.

Replace Battery



What's included

1 temperature and humidity data logger	1 ER 14250 battery	1 user manual
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