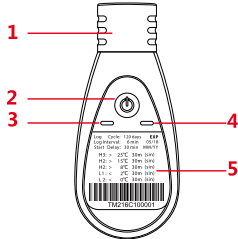


Product Overview

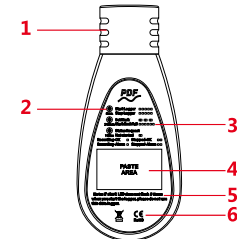
The temperature data logger is mainly used in the fields of medicine, vaccine, blood, food, flowers and plants, laboratory, etc., especially suitable for cold chain storage and transportation where high protection grade is required. By food grade colloidal injection molding technology, the protection grade of the shell can reach IP67. It features plug-and-play function with no need to install data management software. Even if the logger's battery runs out, the data report can be read.

Diagram of the Logger



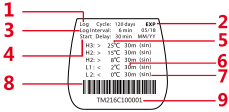
The Front

1. USB interface& protective film	
2. Button	3. Green LED
4. Red LED	5. Configuration information



The Back

1. USB interface & protective film	4. Two-side Glue Sticker
2. Operating Mode	5. Note
3. LED instruction	6. Approvals



1. Log Cycle	6. Alarm Delay
2. Shelf Life①	7. Alarm Type
3. Log Interval	8. Barcode
4. Start Delay	9. Serial Number
5. Alarm Threshold	

① Shelf life: 2 years. It is suggested storing the logger at 25°C.

Technical Parameters

Measuring range: -30°C~70°C
Resolution: 0.1°C
Storage temperature: -30°C~70°C
Sensor: Built-in NTC thermistor
Memory: 16000 points(MAX)
Alarm threshold: Factory default(customizable)
Alarm type: Single or Cumulative
Log interval: 10s-12h
Mark: 10 points(MAX)
Data interface: USB2.0
Report type: PDF data report
Battery: Disposable 3.0V lithium battery
Battery life: 2 years if stored and used at normal temperature (25°C)
Protection grade: IP67
Dimensions: 80mm x 36mm x 10mm (L x W x H)
Weight: Approx. 27g

Operating Instructions

Action	Operation	Indicator
Start the logger	Press and hold the button for about 5 seconds	Green LED flashes 5 times
Stop the logger	Press and hold the button for about 5 seconds	Red LED flashes 5 times
Display status	Press and release the button	LEDs flash according to various conditions (refer to the status indication part)
Set Mark	Double click the button	LED flashes 3 times
View data	When the logger is plugged into the computer's USB interface, a data report will be created automatically. Red and green LEDs flash in turn when the document is being created, and they light at the same time immediately after the completion of document creation. The creation will not last for more than 4 minutes.	

Note: In case of mark failure (Mark times are full), red and green LEDs flash 3 times in turn.

Status Indication

Press and release the button, and the logger's working status can be displayed by the flash of the red or green LED.

Status	Action of the LEDs.
Not started	Red and green LEDs flash once time simultaneously.
Start delay	Red and green LEDs flash once in turn.
Started-normal	Green LED flashes once. (Green LED flashes once per 10 secondes automatically).
Started-alarm	Red LED flashes once (Red LED flashes once per 10 secondes automatically).
Stopped-normal	Green LED flashes 2 times.
Stopped-alarm	Red LED flashes 2 times.

Instructions

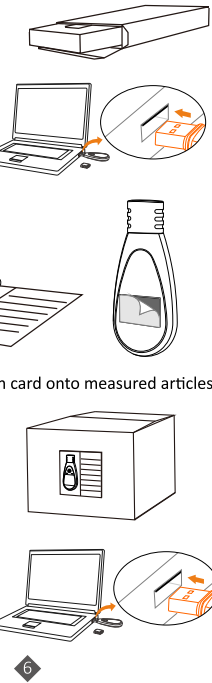
1.Instructions for Use.

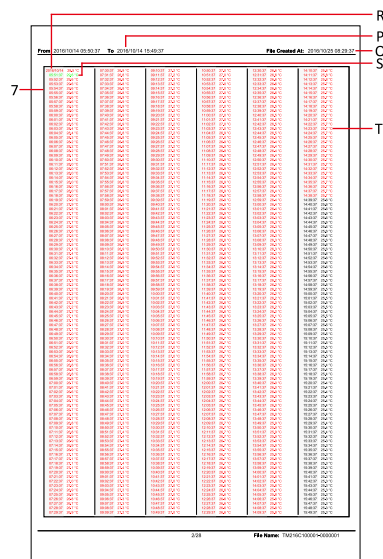
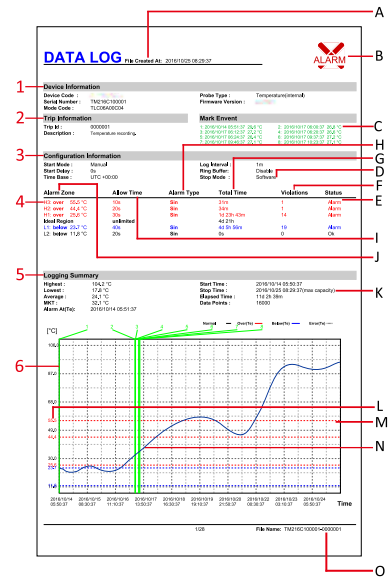
2.You may reconfigure it based on your own needs.

3.Stick the logger onto the information card.

4.Paste the information card onto measured articles.

5.Plug the logger into a computer to generate one PDF report automatically.





1. Basic product information
2. Description of the usage(customizable)
3. Configuration information
4. Alarm threshold and related statistics
5. Statistical information
6. Temperature data curve
7. Temperature data details

- A. Document creation time(Stop recording time)
-
- B. Alarm(Alarm status as shown in the figure)
-
- C.Mark event
-
- D.Stop mode that has been set
-
- E. Alarm status for the temperature alarm zone
-
- F. Total number of exceeding the
temperature alarm threshold
-
- G. Total time of exceeding the
temperature alarm threshold
-

- H. Alarm type(single or cumulative)
-
- I. Alarm delay and alarm type
-
- J. Alarm threshold and temperature alarm zones
-
- K.Stop time(Actual stop mode)
-
- L. Alarm threshold line(Corresponding to the item M)
-
- M. Alarm threshold
-
- N. Data curve of recording
-
- Note: red indicates ultra-high temperature;
blue indicates ultra-low temperature;
black indicates others.
-
- O. Document name(Serial number & Trip ID)
-
- P. Record time range in the current page
-
- Q. Document creation time(Stop recording time)
-
- R. Records when date changes(Date & Temperature)
-
- S. Mark event(green)
-
- T. Records when the date is not changed
(Time & Temperature)

Note: red indicates ultra-high temperature;

blue indicates ultra-low temperature;

black indicates others.

O. Document name(Serial number & Trip ID)

P. Record time range in the current page

Q. Document creation time(Stop recording time)

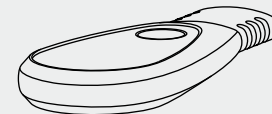
B. Records when date changes(Date & Temperature)

S. Mark event(green)

T Records when the date is not changed

(Time & Temperature)

User Manual



⚠ Caution

Please read the manual carefully before using the logger.
Please do not use screws to fix the logger.
Please do not put the logger in alcohol, gasoline and other organic solvents.

Please store the logger at room temperature (25°C).
Please use a marker pen to take notes on the card.

Temptop®

Disposable Temperature Data Logger