TEMPACTION Data Logger Instructions

TEMPACTION Data Logger is a kind of Temperature Real cold chain data logger, especially for temperature monitoring during the distribution and storage of food, pharmaceuticals, chemicals and other perishable products. After record stopped, TEMPACTION can be directly inserted to the computer's USB port, and then automatically generates a PDF report without software and generate.

Product Advantage

◆ Without software and generate, plug and play, automatically generate PDF data report, the data intuitive visible

◆ IP 67 protection level

◆ PDF document encryption, to ensure data security

◆ ultra-low power consumption, recording time up to 3 months

◆ product unique ID, easy to trace the product trace

◆ variety of parameter settings, to adapt to different customer requirements**Technical**
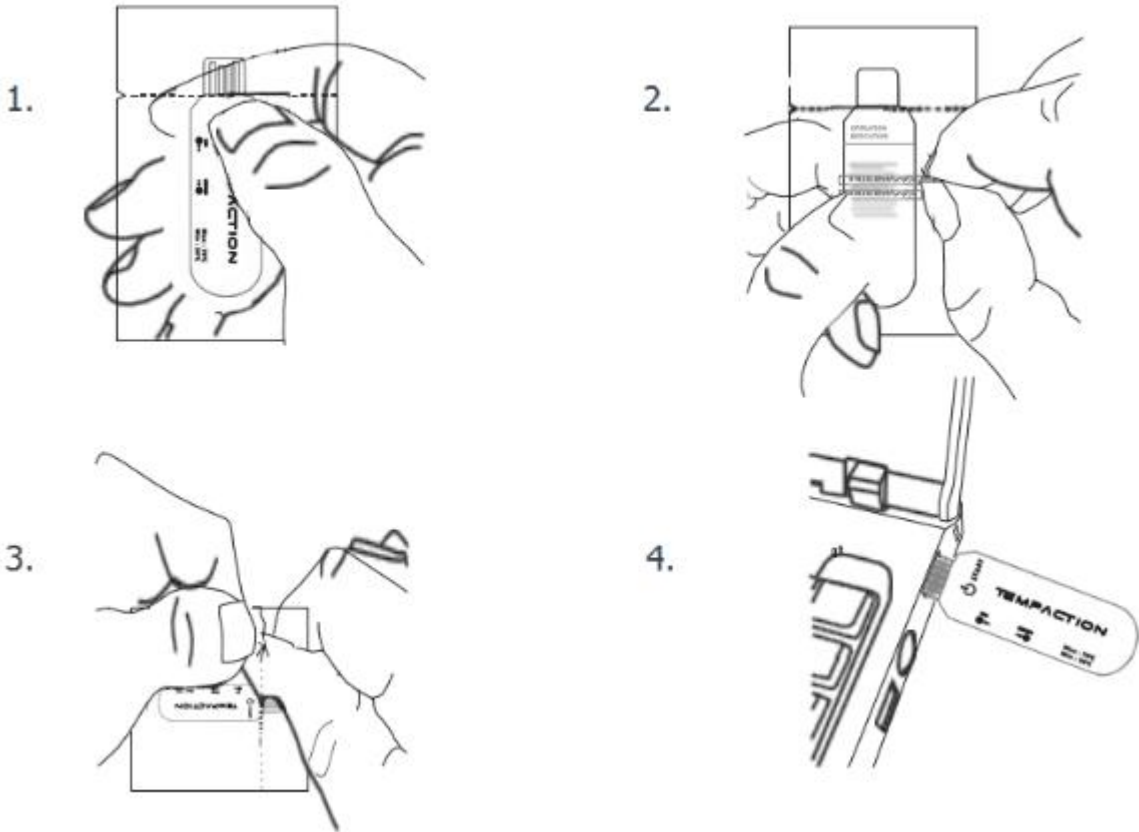
Parameters

Measurement Range	-30 ℃～+70℃
Accuracy	±0.5 ℃/0.9℉
Resolution	0.1 ℃/℉
Record cycle	6,15,30,45,60,90(days) selectable
Alarm type	cumulative
Temperature unit	℃/℉
Record time delay	Standard 30 minutes, (0 - 24 hours)
Data Storage Capacity	12000 points
Sampling interval	30 sec,1 to 11 minutes
Shelf Life	2 year
Report type	Encrypted PDF file
Connection	USB 2.0
Power supply	3.0V CR2032 lithium battery
Supported operating system	WIN XP/7/8 and MAC
Water proof level	IP67
Size	70mm L x 20mm W

Suggested Temperature Range

1.Basic produce: 2℃~ 8℃ （35.6℉ ～ 46.4℉）

2.General produce: 0℃~ 4℃(32.0℉~ 39.2℉)

3.Meat & Dairy: -2℃~ 4℃(28.4℉~ 39.2℉)

4.Frozen food: -23℃~ -7℃(-9.4℉~ 19.4℉)

Other temperature range available via custom order.

Record time range	Record frequency	Max recorded data
90 days	every 11 minutes	12,000 data numbers
60 days	every 7.2 minutes	12,000 data numbers
45 days	every 6 minutes	12,000 data numbers
30 days	every 3.6 minutes	12,000 data numbers
6 days	every 1 minutes	12,000 data numbers

Carrier start the recorder instructions

1. Keep START button pressed for minimum 5 seconds, the OK light will light up a moment till OK light flashes 5times, the recorder will enter the delay record state.

During delay record period(about 30mins), if you press the START button 1-2 seconds, the OK light flashes.

2.Tear off the bar code label and paste in the recorded package. The serial number on the recorder is the same as the barcode on the PDF report to ensure traceability.

Recipient stop the recorder instructions

Keep START button pressed for minimum 5 seconds, the ALARM light will flash some times. which indicates a successful stopping.

Obtain PDF data files from the recorder

1.Carefully ripped plastic bags, exposing the recorder USB connector.

2.The recorder into the computer USB port, this time the recorder will automatically generate PDF data files.

(If the recorder is inserted into the computer during recording, it will immediately stop recording and generate a PDF data files)

3.When the folder pops up, double click the PDF file to open and view the report.

Judge the recording status:

1. If you press the START button (less than 5 seconds), the OK light is lighting up means the recorder hasn't stared record.

2. If you press the START button (less than 5 seconds), the OK light flashes means the

recorder is during delay record time.

3. If you press the START button (less than 5 seconds), the ALARM light is lighting up means the recorder is recording.

4. If you press the START button (less than 5 seconds), the ALARM light flashes means the recorder has stopped record.

Warning status and fault judge

1. The ALARM light flashes twice every 10 seconds (double flashes) means the recorder in stop mode and temperature is outside the allowable range during recording.

2. The ALARM light flashes automatically every 10 seconds means the recorder is recording and the temperature is outside the allowable range.

3. The OK light flashes automatically every 10 seconds means the recorder is recording and temperature is normal.

4. The OK light flashes twice every 10 seconds (double flashes) means the recorder is in stop mode and the temperature is normal during recording.

5. Any light doesn't work when you press button that means the battery is dead.

Note: When you press the button to check the status of the recorder, the time can't exceed 5 seconds, otherwise the recorder in standby will start or the recorder is recording will stop.

How to Use

Frozen House   Cold chain transport   Ocean freighter

Medicine & vaccine   Laboratory   Frozen & Fresh food storage

Data report sample

Data Report

TEMPACTION

Note:All times shown are based on UTC and 24-Hour clock[mm/dd/yy hh:mm:ss]
File Created Date: 09/07/2017 06:02:01

Alarm Status

OK

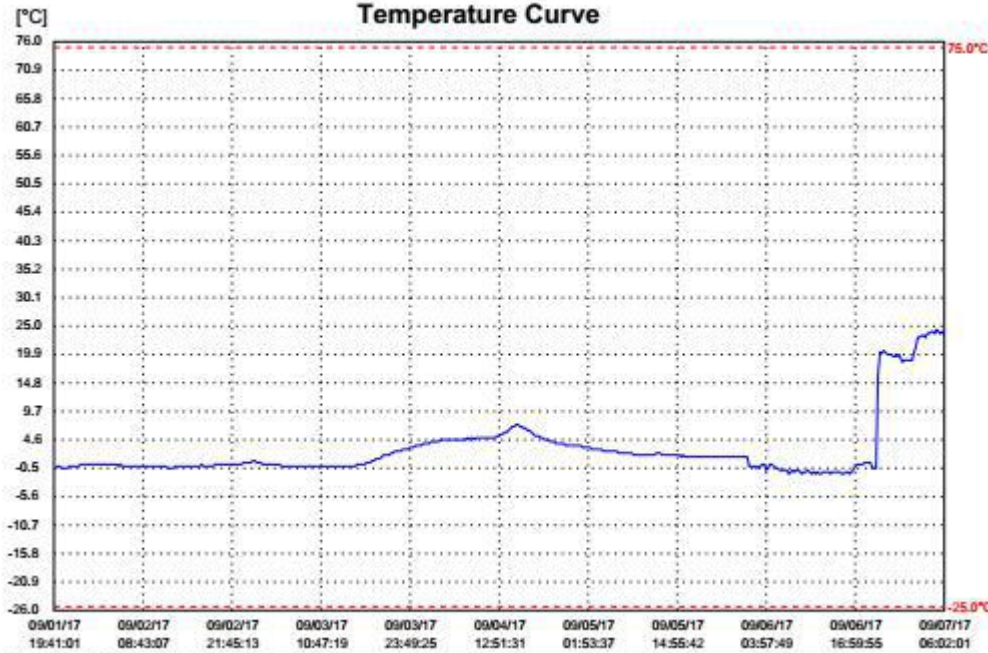## Device Configuration

Device:	PDF Thermograph	High Alarm:	75.0°C
Device ID:	A000216	Low Alarm:	-25.0°C
Start Delay:	30 Min		
Log Interval:	11 Min		

Logging Summary

Highest Temperature:	24.4°C	Start Time:	09/01/2017 19:41:01
Lowest Temperature:	-1.5°C	Stop Time:	09/07/2017 06:02:01
Average Temperature:	3.0°C	Number Of Points:	712
Mean Kinetic Temperature:	6.3°C	Trip Length:	05d 10h 21m

Alarm Statistics

Alarm Type	Temperature Range	Number Of Alarm Points	Total Alarm Time	Alarm Status
High Alarm:	Over 75.0°C	0	00h 00m	OK
Low Alarm:	Under -25.0°C	0	00h 00m	OK

Temperature Curve

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V1.2

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