

# Instruction Manual RC-17/17N

## Disposable Temperature Recorder



### Product instruction diagram



### product description

This temperature recorder is mainly used for temperature monitoring and recording of food and medicine storage and transportation environments, such as refrigerated bags, refrigerated trucks, containers, etc. This product is connected to a computer via USB, and the recorded data is directly output as a PDF report; the temperature probe is built-in, powered by a CR2450 wide temperature lithium battery, and the waterproof level reaches IP67. The product is equipped with a barcode.

### Technical Parameters

11 function-related parameters of this recorder are configured by the factory, and users can customize some of these parameters according to their needs;

|                                  |                                                |                  |                                                              |
|----------------------------------|------------------------------------------------|------------------|--------------------------------------------------------------|
| Measuring temperature            | -30°C ~ 70°C resolution 0.1°C                  | Data interface   | USB2.0                                                       |
| Storage temperature              | -30°C ~ 70°C                                   | Report type      | PDF format data report                                       |
| Temperature measurement accuracy | 0.5°C/0.9°F (-20°C ~ 40°C) ; 1°C/1.8°F (other) | Power supply     | Built-in CR2450 wide temperature lithium battery             |
| Sensor                           | Built-in NTC                                   | Battery life     | 2 years of storage and use in normal temperature environment |
| Recording                        | capacity of 16000 groups (maximum)             | Protection grade | IP67                                                         |
| Recording period                 | 6、15、30、60、90、120、180 days (customizable)      | Dimensions       | 93*58*8mm (length * section * height)                        |
| Alarm type                       | single type ( Sin ), cumulative type ( Cum )   | Weight           | about 20g                                                    |
| Alarm threshold                  | Factory default (customizable)                 |                  |                                                              |

11 Note: Before the recorder is started, it is recommended to store at room temperature

Parameter description: Maximum 16000 groups, the actual recording capacity is different due to different recording periods; Start-up delay: After the recorder is started, it waits for the set delay time to start recording, and the delay time can be customized; Alarm threshold: According to the threshold, the alarm interval can be set. The temperature recorder supports a temperature upper limit and a temperature lower limit setting;

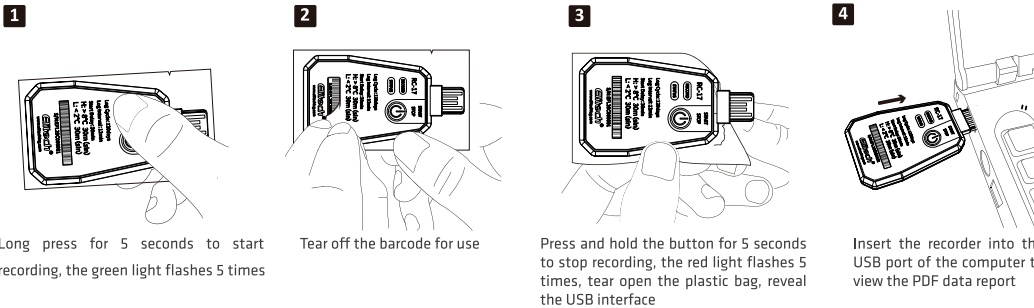
|   |                                                                          |
|---|--------------------------------------------------------------------------|
| H | The interval greater than H is the ultra-high temperature alarm interval |
| L | The interval less than L is the ultra-low temperature alarm interval     |

### Alarm delay:

|                 |                                                                             |
|-----------------|-----------------------------------------------------------------------------|
| Single type     | the recorder performs a single timing of continuous over-temperature events |
| Cumulative type | the recorder counts all over-temperature events cumulatively                |

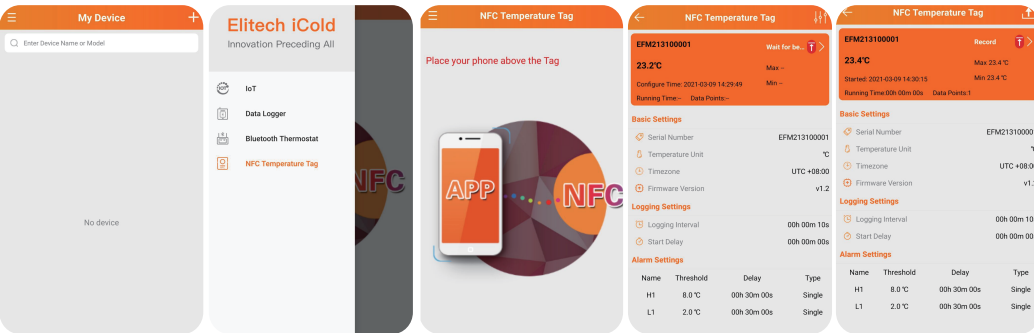
Alarm delay: When the temperature enters the over-temperature alarm zone, the recorder will not alarm immediately. Only when the over-temperature duration exceeds the alarm delay, the alarm will start;

### Operating instructions



### NFC operation instructions

1. Install and log in to the APP  
Use the mobile browser to scan the QR code or download and install 'Elitech iCold' through the mobile application center; open the APP and follow the prompts to register and log in to a new account.
2. Parameter setting  
Click the navigation button in the upper left corner of the APP, select the NFC temperature label, and then approach the device to view the data (enable the NFC function of the mobile phone).  
Click the (symbol) in the upper right corner to set the parameters. After the setting is completed, the mobile phone is close to the device and click the 'OK' button to save the parameters (the parameters are only allowed to be set when the device is not recorded)
3. View and export data  
After the phone near the device, reading device data, click on the upper right corner to select the desired report format export data report.



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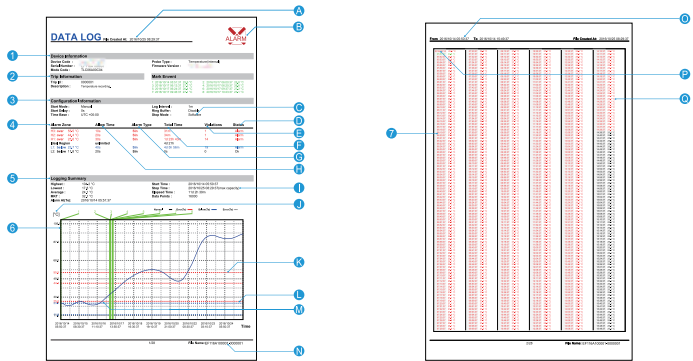


### Status indication

Short press the button, you can judge the working status of the recording by the flashing of the red (green) indicator light.

| Status               | Indicator light                                                                       |
|----------------------|---------------------------------------------------------------------------------------|
| Does not start       | Red, green lights flashing simultaneously 1 times                                     |
| Start-up delay       | Red, green blink alternately 1 times                                                  |
| Start - Normal       | Blinking green light 1 times (green LED per 10 automatically flashes seconds 1 times) |
| Start - alarm        | Indicator flashes red 1 views (red light every 10 auto flash seconds 1 times)         |
| Start - mark         | Red and green indicator lights flash 3 times at the same time                         |
| Start - mark overrun | Overrun The red and green indicator lights flash alternately 3 times                  |
| Stop - normal        | Green indicator flashes 2 times                                                       |
| Stop - alarm         | The red indicator light flashes 2 times                                               |

### Content of report



|                                                                       |                                                                               |                                                                                                          |
|-----------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| 1 Basic product information                                           | C set stop method                                                             | K alarm threshold line (corresponding to item L )                                                        |
| 2 Descriptions (customizable)                                         | D Alarm status of D alarm section                                             | L alarm threshold                                                                                        |
| 3 configuration information                                           | E total number exceeds the alarm threshold temperature                        | M record data curve Note: ultra-high temperature is red, ultra-low temperature is blue, others are black |
| 4 Alarm threshold and related statistics                              | F The total length of time that the F temperature exceeds the alarm threshold | N file name (serial number + purpose description ID )                                                    |
| 5 Statistics                                                          | G alarm delay and alarm type                                                  | O Recording time range in the current page                                                               |
| 6 Temperature data graph                                              | H alarm threshold and alarm interval division                                 | P Record when P date changes (date + temperature)                                                        |
| 7 Temperature data details                                            | I stop time (actual stop method)                                              | Q Record when Q date has not changed                                                                     |
| A file creation time (stop recording time)                            | J data curve graph ordinate unit                                              |                                                                                                          |
| B alarm indication (the content of the picture shows the alarm state) |                                                                               |                                                                                                          |

RC-17/17N



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Innovation Preceding All

Attach RC-17/17N  
**HERE**

TEMPERATURE REQUIRED  
\_\_\_\_\_ °C \_\_\_\_\_ °F

**CAUTION**  
TEMPERATURE MONITORING

SHIPPER \_\_\_\_\_  
CONTAINER NO. \_\_\_\_\_  
TRUCK NO. \_\_\_\_\_  
B/L NO. \_\_\_\_\_  
REF NO. \_\_\_\_\_  
CONTENTS \_\_\_\_\_  
LOGGER SERIAL NO. \_\_\_\_\_  
START DATE \_\_\_\_\_ DEPARTURE PORT \_\_\_\_\_  
START TIME \_\_\_\_\_ ARRIVAL PORT \_\_\_\_\_