# 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.

\*Please refer to the actual product

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

Il 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/-22°F~158°F	Data interface	USB2.0/NFC
Storage temperature	-30°C~70°C/-22°F~158°F	Report type	PDF format data report
Temperature	±0.5°C/±0.9°F(-20°C~40°C/-4°F~104°F);	Power supply	Built-in CR2450 wide
measurement accuracy	±1°C/1.8°F (other)		temperature lithium battery
Sensor	Built-in NTC	Battery life	2 years of storage and use in
Recording	capacity of 16000 groups (maximum)		normal temperature environment
Recording period	6、15、30、60、90、120、180 days (customizable)	Protection grade	IP67
Alarm type	single type ( Sin ), cumulative type ( Cum )	Dimensions	93*58*8mm (length * section * height)
Alarm threshold	Factory default (customizable)	Weight	about 20g

(II) 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 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;

Н	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	
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;

Alarm type:



# **Operating instructions**

1







Tear off the barcode for use



Press and hold the button for 5 seconds to stop recording, the red light flashes 5 times, tear open the plastic bag, reveal the USB interface



Insert the recorder into the USB port of the computer to view the PDF data report

# NFC operation instructions (only RC-17N)

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  $\equiv$ , select the NFC temperature label, and then approach the device to view the data (enable the NFC function of the mobile phone).

Click the of 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.



# Status indication

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

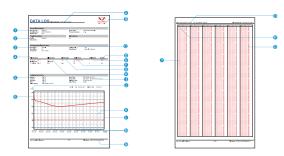
Status	Indicator light	
Does not start	Red, green lights flashing simultaneously 1 times	
Start-up delay	Red, green blink alternately 1 times	
Start - Normal	Blinking green light 1 times (green LED per 10 automatically flashes seconds 1 times)	
Start - alarm	Indicator flashes red 1 views (red light every 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	

## www.elitechlog.com

# **Instruction Manual** RC-17/17N Disposable Temperature Recorder



# **Content of report**



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

# Warranty

Elitech's warranty covers any malfunction caused by the product quality, transportation, or manufacturing process under normal use for a period of one year from the purchased date. During the warranty period, any failures due to the reasons mentioned will be repaired or replaced free of charges.

The warranty does not apply if any of the following conditions is met:

- 1. Damage resulting from accidents, misuse, abuse, alteration, tampering or failure of the purchaser to follow normal operating procedures outlined
- 2. Defects or damage due to spillage of food or liquids or wrong usage of electrical supply & voltage;
- 3. Damage, losses, defects or malfunction as a result of natural events such as fires, floods also animal or insect infestations;
- 4. Scratches & damage to the outer surface areas and externally exposed parts that are caused by the user's poor handling.
- 5. If any part or parts of the unit are replaced with a part or parts not supplied or approved by us or the unit has been dismantled or repaired by any person other than a Elitech authorized technician;
- 6. Use of products, equipments, systems, utilities, services, parts, supplies, accessories, applications, installation, repairs, external wiring, connectors not supplied and/or authorized by Elitech, or which damage this product or result in service problems.

# Important Usage Information

- · Keep the product in a dry and ventilated place ,abstaining from moistness .
- $\cdot$  Do not do any unauthorized changes, it may affect irreversible damage to this device
- · For the first time use. Please press the button, confirm that the RECORD and STATUS light both flashed.
- Data stored in data logger is retrievable after battery ran out. Please use it within the device measurable range
- After the device started, it cannot be configured again Device contains battery, please do not heat, microwave or damage it.
- Please follow local regulations when recycling or disposing of Elitech data loggers.

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# RC-17/17N

# CAUTION

TEMPERATURE MONITORING





Attach RC-17/17N HERE **Alarm threshold LOG INTERVAL** START DELAY **LOG CYCLE LOGGER SERIAL NO. DEPARTURE PORT** CONTAINER NO. **ARRIVAL PORT** START TIME TRUCK NO. CONTENTS SHIPPER REF NO.