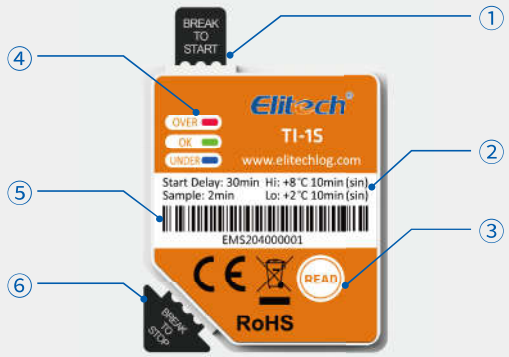
TI-1S/2S User Manual

Elitech® Innovation Preceding All

Product Overview

This is a temperature tag with NFC communication function, which is mainly used in application scenarios such as blood, vaccines, biological preparations, biological medicines, cold chain foods, and precision instruments. The product is lightweight, thin and compact, and the start-stop operation with break-tab is simple and reliable. It is suitable especially for the smallest packaging products. It supports any handheld devices with NFC function, such as a mobile phone to retrieve key data during temperature monitoring, and long battery life to ensure data recording during the entiremonitoring process.



① Break to start	④ The LED indicators
② Setting information	⑤ Product serial number
③ Button	⑥ Break to stop

Note: The picture is for reference only. Any discrepancy in future, please adhere to the final product.

Technical Specifications

Model	TI-1S	TI-2S
Memory	/	3800(MAX)
Teasuring Range	-30°C~60°C/-22°F~140°F	
Accuracy	± 0.5°C(-20°C~40°C)/±0.9°F (-4°F~104°F)， ± 1°C/±1.8°F(others)	
Sensor	Built-in NTC	
Sampling Interval	1min(standard,others on request)	
Recording Interval	nonsuppor	12h(standard,others on request)
Start Delay	30 min(standard,others on request)	
Start Mode	Break to start	
Stop Mode	Break to stop	
Alarm threshold	Optional,up to 6 points	
Data Interface	NFC	
Battery life	2 years(normal temperature)	3 years(normal temperature)
Shelf life/Battery	3 years/CR1620 lithium battery	4 years/CR2032 lithium battery
Report Generation	PDF/Excel report	
Protection Class	IP54	
Weight	Approx.6g	Approx.11g
Dimensions	34mm * 48mm * 4.5mm (L * W * H)	40mm * 57mm *5.5mm (L * W * H)

Operation Instructions

1. Install and log in to the APP

Scan the QR code to download the **'Elitech iCold'** APP or download from APP store or Google Play. Open the APP and follow the steps to log in or register a new account.

Android APP IOS APP

2. Parameter setting

Click the navigation button on the upper left corner of the APP , select the NFC temperature sticker, and then approach the device to view the data (enable the mobile NFC function).

Click the on the upper right corner to set the parameters. After the setting is completed, place the mobile phone close to the deviceand click the **'OK'** button to save the parameters (the parameters are only allowed to be set when the device is not in the recording mode.)

3. Start record

Break off the **'BREAK TO START'** tab at on the edge of the device, the green LED flash 5 times, indicating that it has been turned on successfully; After breaking off tab, tear off the adhesive and pastethe temperature indicator to an appropriate place/position for temperature measurement.

4. Synchronize time

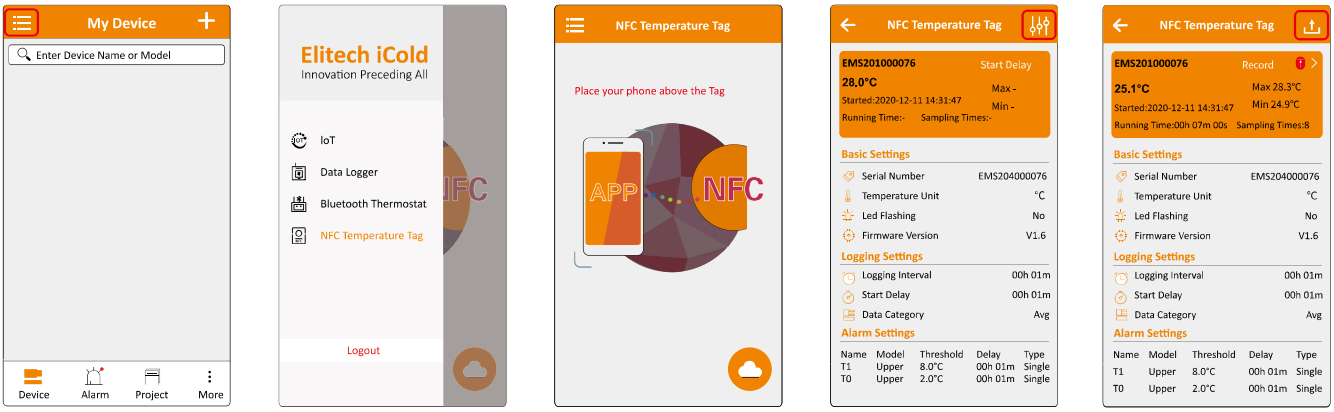
When the mobile phone is close to the device, it will automatically synchronize the time while reading the device data.

5. Stop recording

Break off the **'BREAT TO STOP'** tab at the edge of the device, the red LED flash 5 times, indicating that the recording is stopped.

6. View and export data

Place the mobile phone near to the temperature indicator, click on the upper right corner to select the desired report format to export the data.



LED instructions

Status / Action	Indicator	Remarks
Break To Start	🟢 flash 5 times	
Break To Stop	🔴 flash 5 times	
Start Delay/ Button	🟢🔴 flash 1 time	Blinking every 10 seconds
Recording/ Button	🟢 (or 🔴 or 🔵) flash 1 time	Alarm: Over upper limit red light flash; over lower limit blue light flash. No Alarm: Green light flash.
Stop Recording/ Button	🟢 (or 🔴 or 🔵) flash 2 time	
Button	No indicator	Device Failure

Note: Light indicator flash automatically after Parameter Setting.

Packing List

- Temperature Tag 100pcs/box(TI-1S) 90pcs/box(TI-2S)
- Calibration Certificate/box
- User Manual/box

Default Setting

Parameter	Default Value	Parameter	Default Value
Start Delay	30min	**Upper Temperature Limit**	8 °C
Sampling Interval	1min	**Lower Temperature Limit**	2 °C
Temperature Unit	°C	**Alarm Type**	Single
LED Blinking	prohibited	**Alarm Delay**	30min
Recording Interval	12h	**Data Category**	AVG