

DR 230 Series Product Introduction





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Product

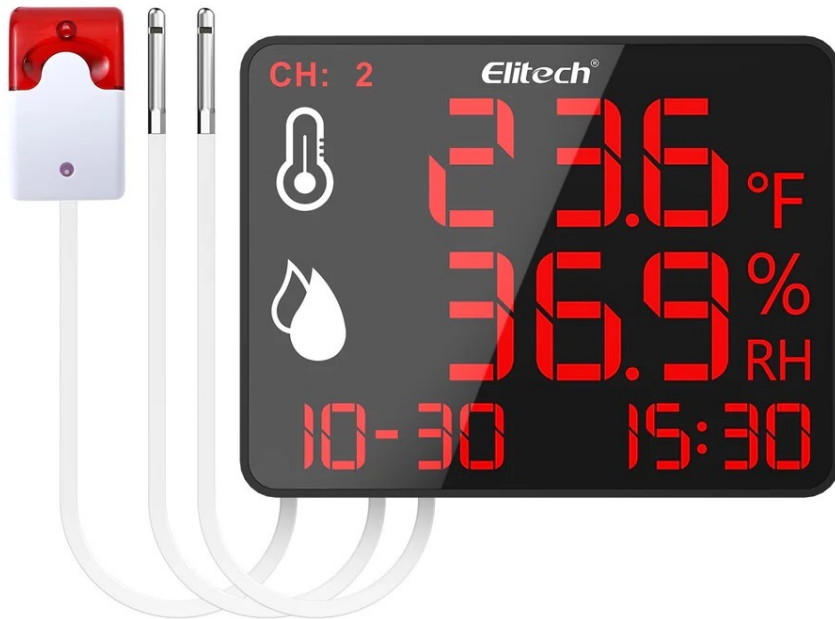
PA

1

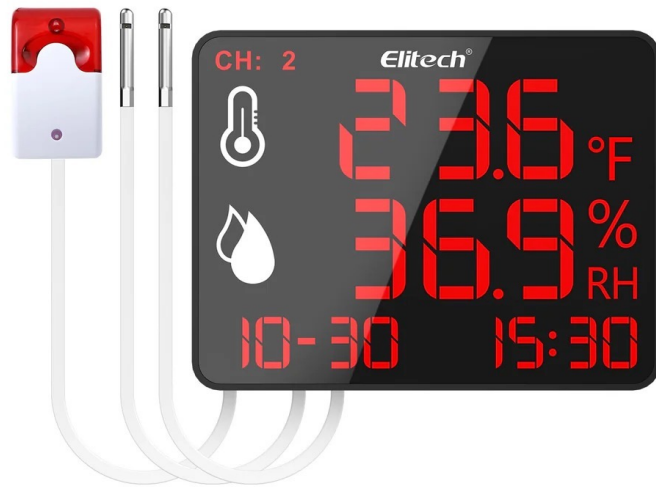
Introduction

RT

DR 230 series MULTI-USE DATA LOGGER



DR-230 series is a large screen temperature and humidity recorder, which is used for real-time monitoring and recording of ambient temperature and humidity, and supports functions such as over-limit alarm and historical data upload. The recorder is mainly composed of external temperature and humidity sensor and host equipment. Users interact with the recorder through Jingchuang Cold Cloud APP. The operating parameters of the recorder can be set through the APP, including temperature unit, time zone, recording interval, alarm switch, alarm parameters, sensor type, etc. The recorded data stored in the recorder can be read through the APP and automatically uploaded to the cloud.



Application Scenario

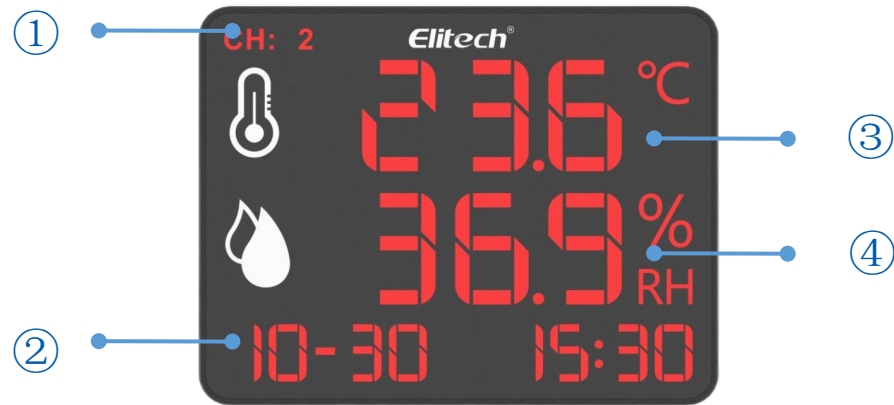
Mainly used in production workshops, large warehouses, etc

Monitoring Object

Drugs, reagents, food, precision instruments, etc



Product Structure&LCD Display

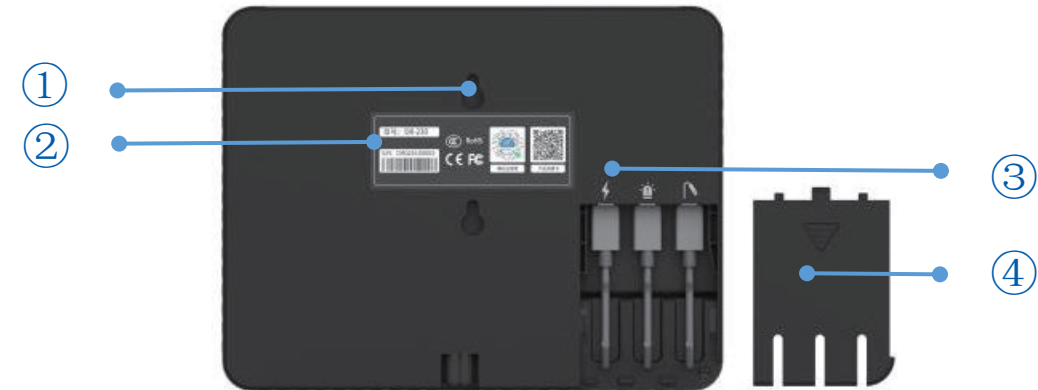


① Measurement channel

② Current time

③ Real-time temperature

④ Real-time humidity



① Wall hanging hole

② Equipment information

③ External hardware port

④ Cover plate

NOTE

- ❖ Please connect the external sensor and alarm before the device is powered on.
- ❖ When any measurement value of temperature or humidity exceeds the limit value, the device flashes the full screen at a one-second interval
- ❖ When the measurement value exceeds the limit returns to the normal value, the device automatically restores the steady on display

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Product

Function

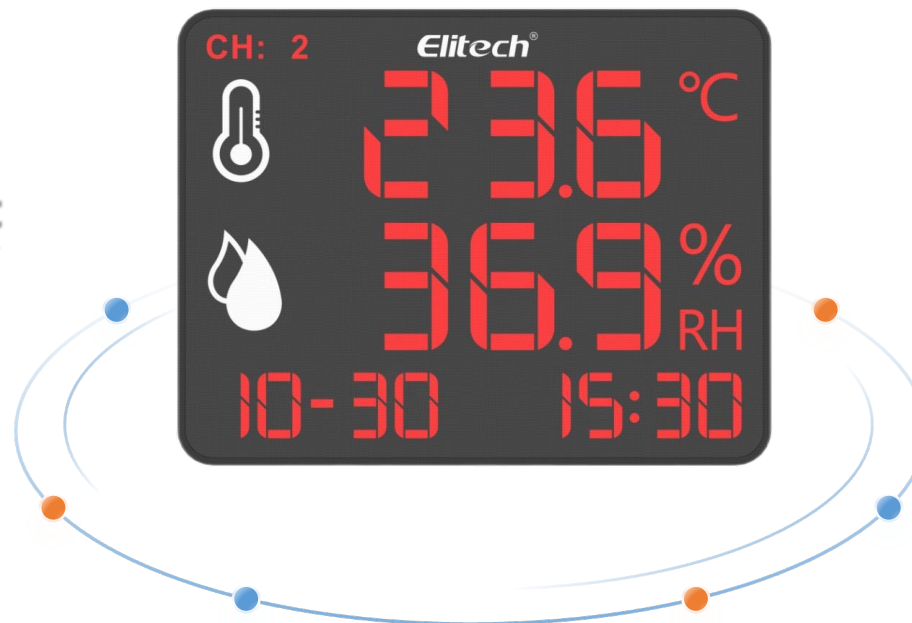
PA?RT

Easily Generates Report

Automatically generate encrypted PDF data reports without software

Large Data Capacity

Supports 30,000 groups of local data storage, supports cyclic storage



Easy Installation

Supports wall mounting or table placement

Large-scale Alarm

Supports external alarm devices and can radiate over a distance of 30 to 50 meters

Large Screen Display

clear fonts, exquisite molds, fine materials, hidden interfaces, and easy installation

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Technical

Specification

PA3RT

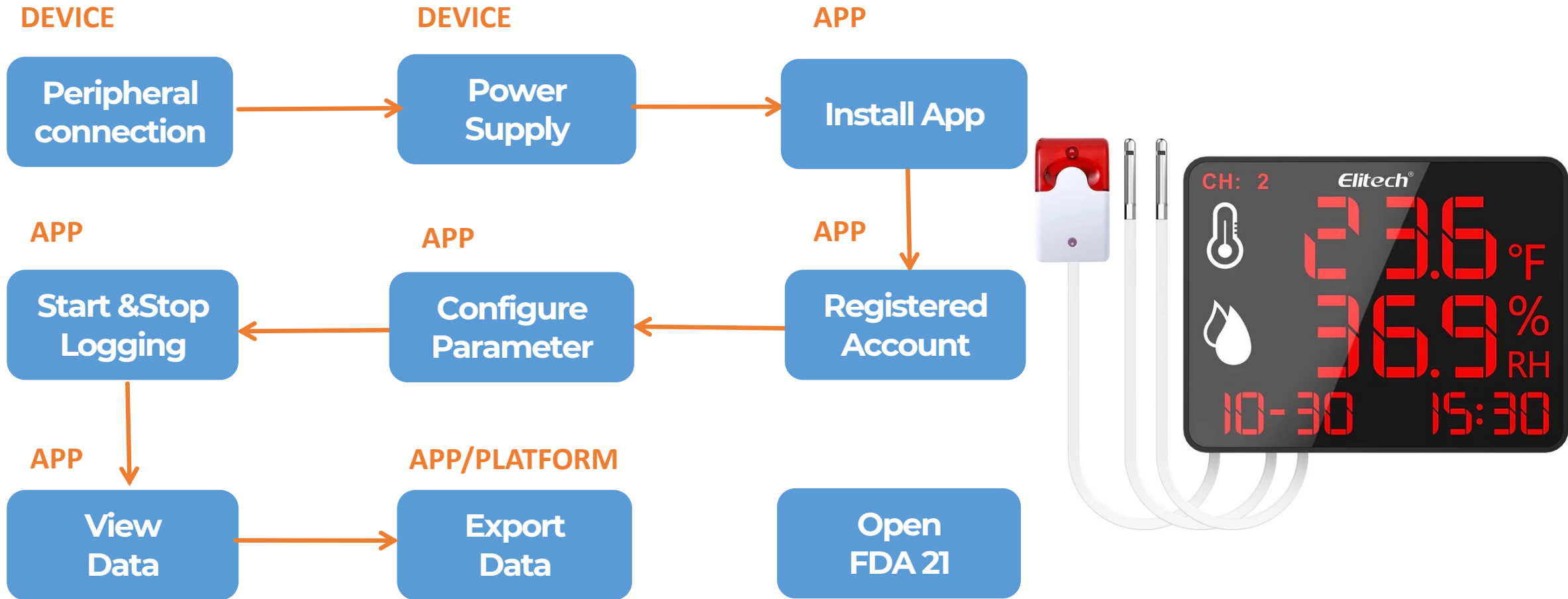
▶ Product Selection Table

Model	DR 230
Probe type	External
Channel	Temperature and humidity of 1 channel 2 way temperature and humidity
Range	Temperature: -40~80°C Humidity: 0-100%RH
Sensor Type	Digital temperature and humidity sensor
Measurement Accuracy	Temperature: ± 0.5 °C Humidity: ± 5%RH
Capacity	30,000 groups
Data Storage Mode	cyclic storage
Logging interval	1M~24H(default 10 minutes)
Communication Method	Bluetooth
Alarm Parameters	3 seconds /10 seconds/constant ringing (default off)
Alarm Mode	External alarm, Flashing display
Protection Level	IP50
Size	215mm*165mm*19mm

Operation Instruction

OPART

▶ Operation Process



▶ Peripheral Connection & Power Supply

Peripheral Connection: According to the interface icon on the back of the recorder, access the corresponding peripherals (power supply, sensor, alarm).

Power Supply : Use the standard power cord to connect the recorder for power supply, and the device will turn on automatically after power-on.



- NOTE**
- ✔ Once the power is disconnected, the device screen will not display any content.
 - ✔ If the device is in logging and the power is suddenly cut off, the device will continue to maintain the logging state after being powered on. The data during the power outage will be displayed as "paused" in the data list.

Install App&Registered Account

①Search for "Elitech iCold" in the APP mall→②Download and install it →③Open the APP, then click "Register"

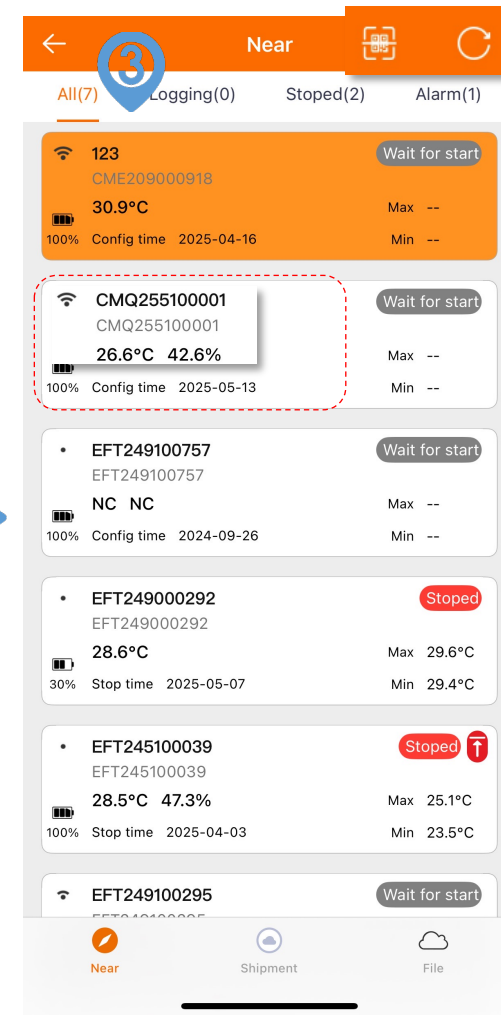
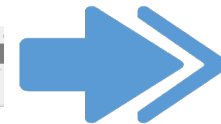
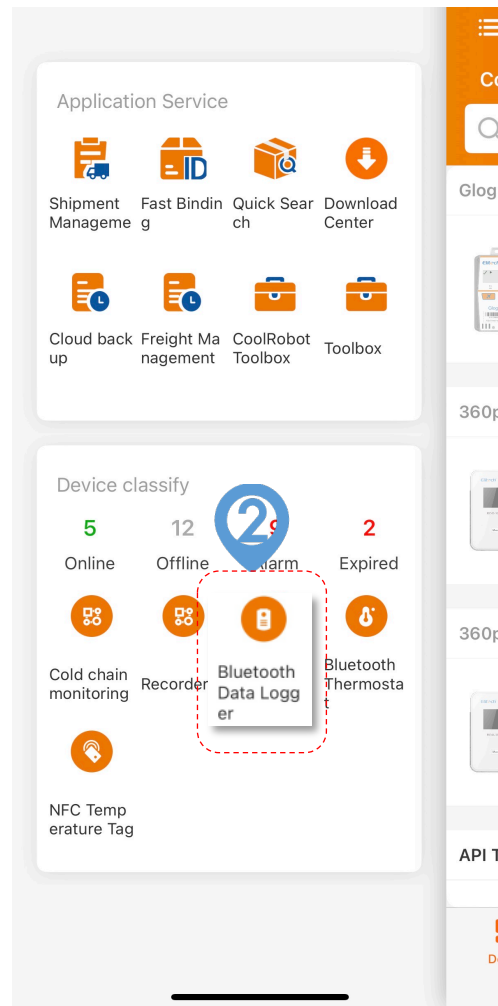
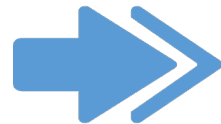
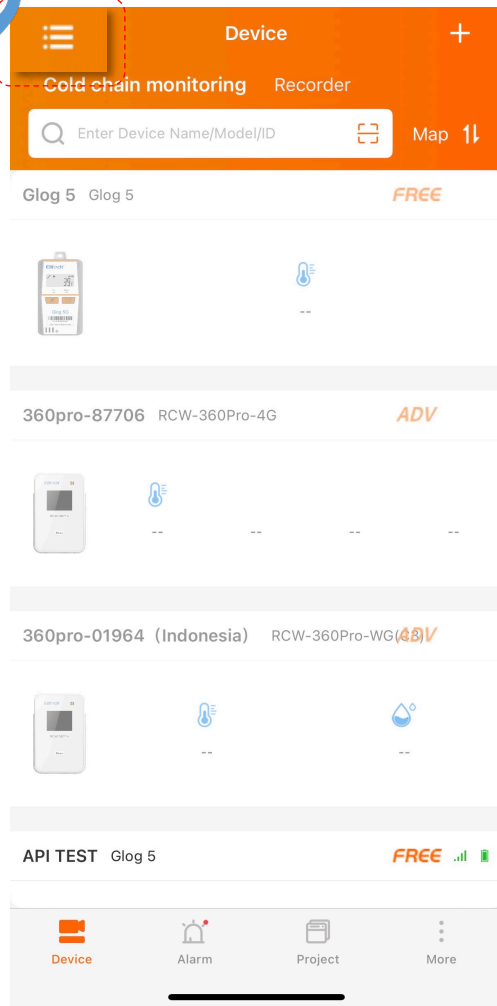
④Enter the registration information→⑤Select "I have read and agreed Terms of Service" →⑥Click

The image shows a sequence of six screenshots illustrating the app installation and registration process:



- Search:** A screenshot of an app store search for "elitech icold". A blue circle with the number 1 is over the search bar.
- App Card:** A screenshot of the app card for "Elitech iCold" by "Elitech Technology, Inc.". A blue circle with the number 2 is over the "Open" button.
- Register Screen:** A screenshot of the "Register" screen. It shows the app name "Elitech iCold" and the tagline "Innovation Preceding All". There are input fields for "Elitech20" and a password field. A "Remember Password" checkbox is checked. There are "Login" and "Register" buttons. A blue circle with the number 3 is over the "Register" button.
- Registration Form:** A screenshot of the registration form. It has a blue circle with the number 4 over the top. The form has fields for "E-mail Address", "Username", "Password", and "Confirm password". There is a "Send Code" button and a "Register" button. A red dashed box highlights the "Register" button.
- Terms of Service:** A screenshot of the registration form with a blue circle with the number 5 over the "I have read and agreed Terms of Service" checkbox. A red dashed box highlights the checkbox.
- Final Step:** A screenshot of the registration form with a blue circle with the number 6 over the "Register" button. A red dashed box highlights the "Register" button.

Configure Parameter

1

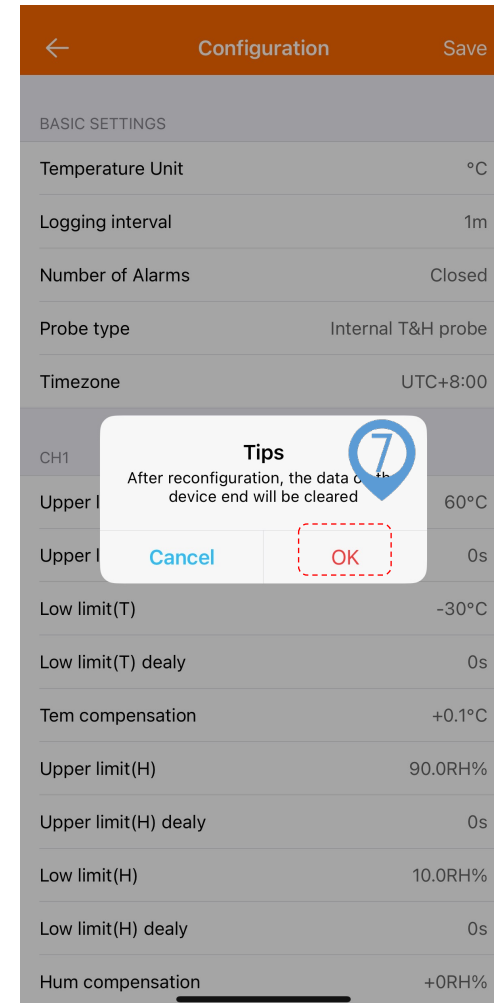
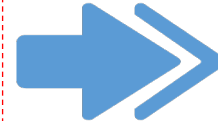
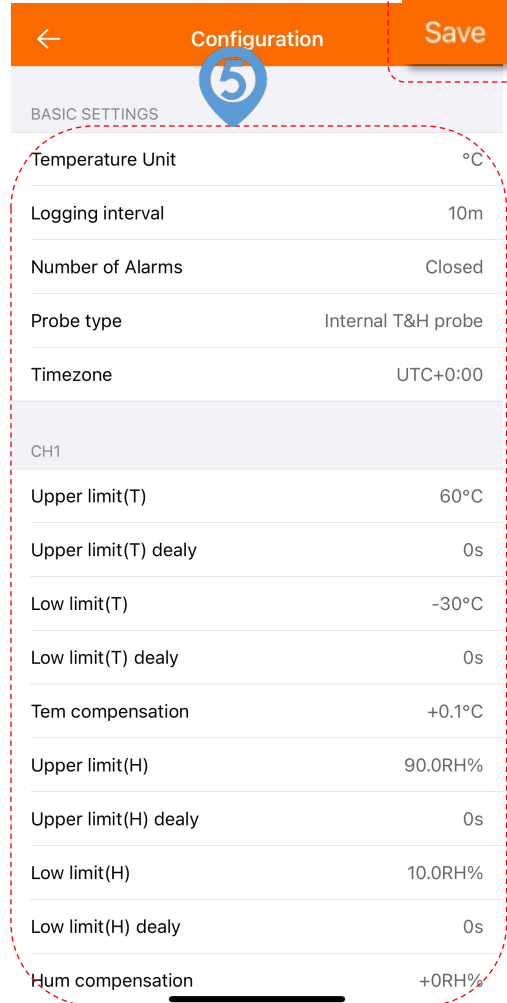
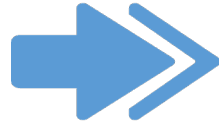
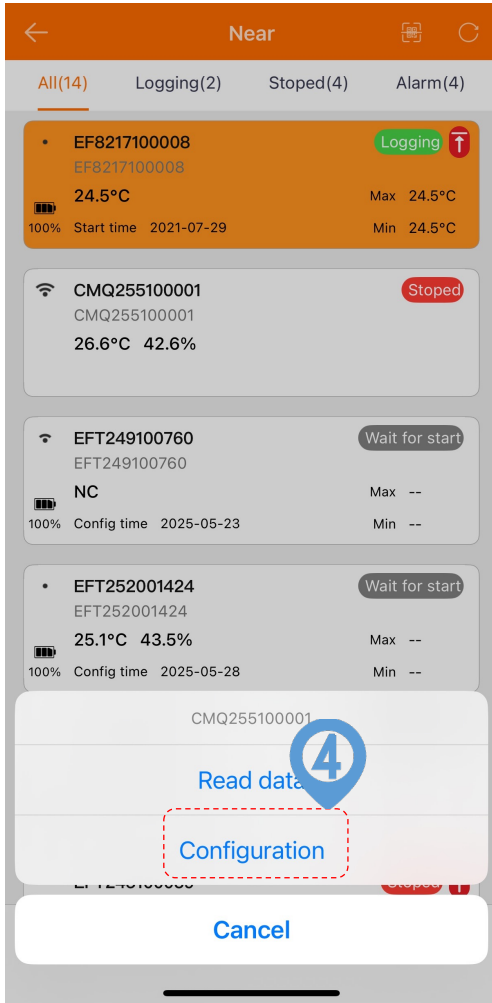


NOTE

✓ If the device cannot be found in device list. It can be refreshed multiple times to search for the device . Or you can click  to scan the device SN code.



Configure Parameter



NOTE

- ✔ Select the correct probe type; otherwise, the device will display "--".
- ✔ Support data compensation --Tem compensation/Hum compensation.

Start logging & Stop logging

Start logging

Configuration **Save**

BASIC SETTINGS

Temperature Unit °C

Logging interval 10m

Number of Alarms Closed

Probe type Internal T&H probe

Timezone UTC+0:00

CH1

Upper limit(T) 60°C

Upper limit(T) dealy 0s

Low limit(T) -30°C

Low limit(T) dealy 0s

Tem compensation +0.1°C

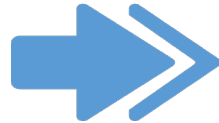
Upper limit(H) 90.0RH%

Upper limit(H) dealy 0s

Low limit(H) 10.0RH%

Low limit(H) dealy 0s

Hum compensation +0RH%



Logging

Near

All(9) Logging(1) Stopped(3) Alarm(3)

CMQ255100001
CMQ255100001
26.7°C 42.3%
Start time 2025-06-11
Logging

EFT252001426
EFT252001426
25.4°C 42.3%
100% Config time 2025-05-28
Wait for start
Max --
Min --

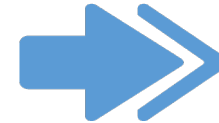
CM7232080001
CM7232080001
26.0°C 46.4%
100% Stop time 2024-09-20
Stopped ↑
Max 27.4°C
Min 27.4°C

123
CME209000918
27.7°C
100% Stop time 2025-05-18
Stopped ↑
Max 34.2°C
Min 28.4°C

EFT249100760
EFT249100760
NC
100% Config time 2025-05-23
Wait for start
Max --
Min --

EFT249000197
EFT249000197
Wait for start

Near Shipment File



Stop logging

Details Upgrade **Stop**

CMQ255100001

CMQ255100001

Logging Start time 2025-06-11 15:58:24

Temp 27.3°C

Humidity 40.5%

Graph	Data	Parameter
Time	Temp	Humidity
2025/06/11 15:58:24	26.7°C	42.3%RH
2025/06/11 15:59:24	26.8°C	42.4%RH
2025/06/11 16:00:24	26.9°C	42.2%RH
2025/06/11 16:01:24	26.9°C	42.1%RH
2025/06/11 16:02:24	27.0°C	42.1%RH
2025/06/11 16:03:24	27.0°C	41.8%RH
2025/06/11 16:04:24	27.0°C	41.9%RH
2025/06/11 16:05:24	27.1°C	41.5%RH
2025/06/11 16:06:24	27.1°C	41.4%RH
2025/06/11 16:07:24	27.1°C	41.5%RH
2025/06/11		

Generate Report

NOTE

- ✓ After saving the parameters, the device immediately start logging.
- ✓ After clicking "Stop", the logging stop.
- ✓ In the logging, setting parameters is not supported.

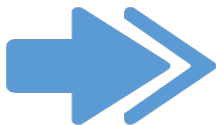
View Data

Near

All(8) Logging(2) Stopped(2) Alarm(2)

- CMQ255100001 (Logging)
 - Temp: 27.4°C, Humidity: 40.1%
 - Start time: 2025-06-11
- EFT249000197 (Wait for start)
 - NC NC
 - 100% Config time: 2024-09-26
 - Max: --, Min: --
- EFT252001424 (Wait for start)
 - 25.2°C, 42.2%
 - 100% Config time: 2025-05-28
 - Max: --, Min: --
- 123 (Stopped)
 - CME209000918
 - 27.6°C
 - 100% Stop time: 2025-05-18
 - Max: 34.2°C, Min: 28.4°C
- EFT249000292 (Logging)
 - 24.6°C, 45.1%
 - 30% Start time: 2025-06-10
 - Max: 29.4°C, Min: 24.1°C
- CM7232080001 (Stopped)

Near Shipment File



Details Upgrade Stop

CMQ255100001

CMQ255100001

Logging Start time 2025-06-11 15:58:24

Temp 27.3°C

Humidity 40.5%

Graph Data Parameter

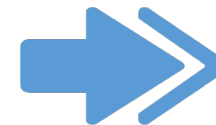
Data Points:23

Temp:°C Humidity:%RH

Temperature(°C) Relative Humidity(%RH)

Elapsed Time

Generate Report



Details Upgrade Stop

CMQ255100001

CMQ255100001

Logging Start time 2025-06-11 15:58:24

Temp 27.3°C

Humidity 40.5%

Graph Data Parameter

Time	Temp	Humidity
2025/06/11 15:58:24	26.7°C	42.3%RH
2025/06/11 15:59:24	26.8°C	42.4%RH
2025/06/11 16:00:24	26.9°C	42.2%RH
2025/06/11 16:01:24	26.9°C	42.1%RH
2025/06/11 16:02:24	27.0°C	42.1%RH
2025/06/11 16:03:24	27.0°C	41.8%RH
2025/06/11 16:04:24	27.0°C	41.9%RH
2025/06/11 16:05:24	27.1°C	41.5%RH
2025/06/11 16:06:24	27.1°C	41.4%RH
2025/06/11 16:07:24	27.1°C	41.5%RH
2025/06/11		

Generate Report

NOTE

✓ Click "Upgrade" to directly upgrade the firmware version of the device to the latest version.

Export Data

← Details Upgrade Stop

CMQ255100001 --

CMQ255100001

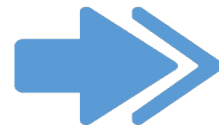
Logging Start time 2025-06-11 15:58:24

Temp 27.3°C

Humidity 40.5%

Graph	Data	Parameter
Time	Temp	Humidity
2025/06/11 15:58:24	26.7°C	42.3%RH
2025/06/11 15:59:24	26.8°C	42.4%RH
2025/06/11 16:00:24	26.9°C	42.2%RH
2025/06/11 16:01:24	26.9°C	42.1%RH
2025/06/11 16:02:24	27.0°C	42.1%RH
2025/06/11 16:03:24	27.0°C	41.8%RH
2025/06/11 16:04:24	27.0°C	41.9%RH
2025/06/11 16:05:24	27.1°C	41.5%RH
2025/06/11 16:06:24	27.1°C	41.4%RH
2025/06/11 16:07:24	27.1°C	41.5%RH

Generate Report



← Details Upgrade Stop

CMQ255100001 --

CMQ255100001

Logging Start time 2025-06-11 15:58:24

Temp 27.4°C

Humidity 40.1%

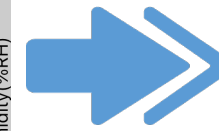
Graph	Data	Parameter
Data Points:31		

Elapsed 7 min

Generate Report

PDF

Cancel



← **Report**

Data Report File created:2025-05-14 15:12:37

Device Information			
Product Code	GSP-6Pro	Probe type	G Temp (Probe T)
Serial Number	EFT249000292		

Config. Info			
Start Mode	Start by button	Logging interval	20s
Start Delay	0s	Circular Logging	Enable
Timezone	UTC+08:00	Stop Mode	Software + Press button
Repeat Start	Disable		

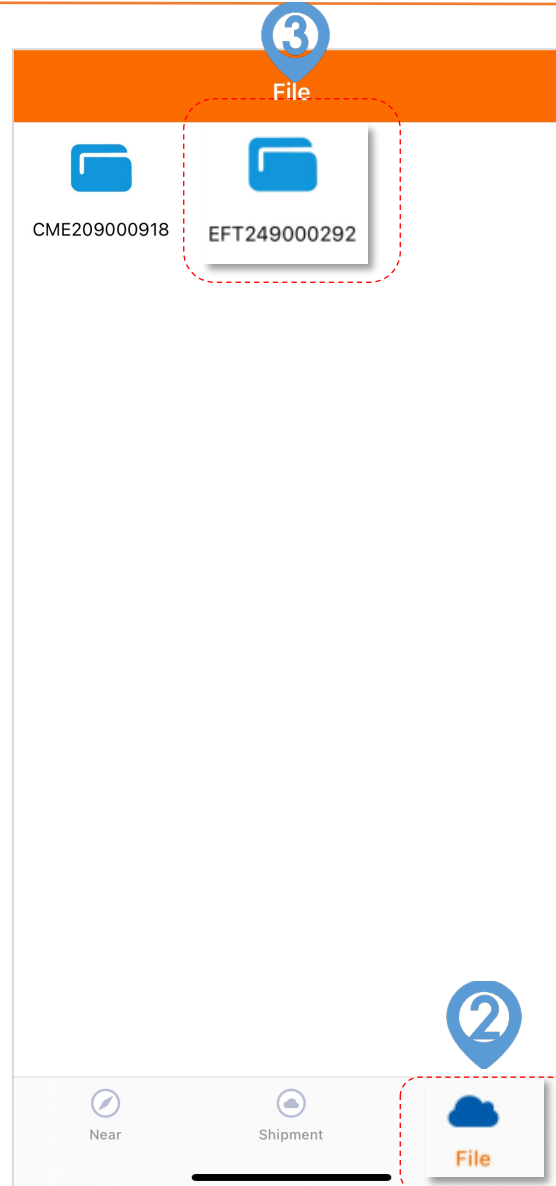
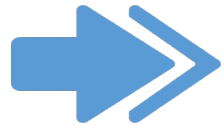
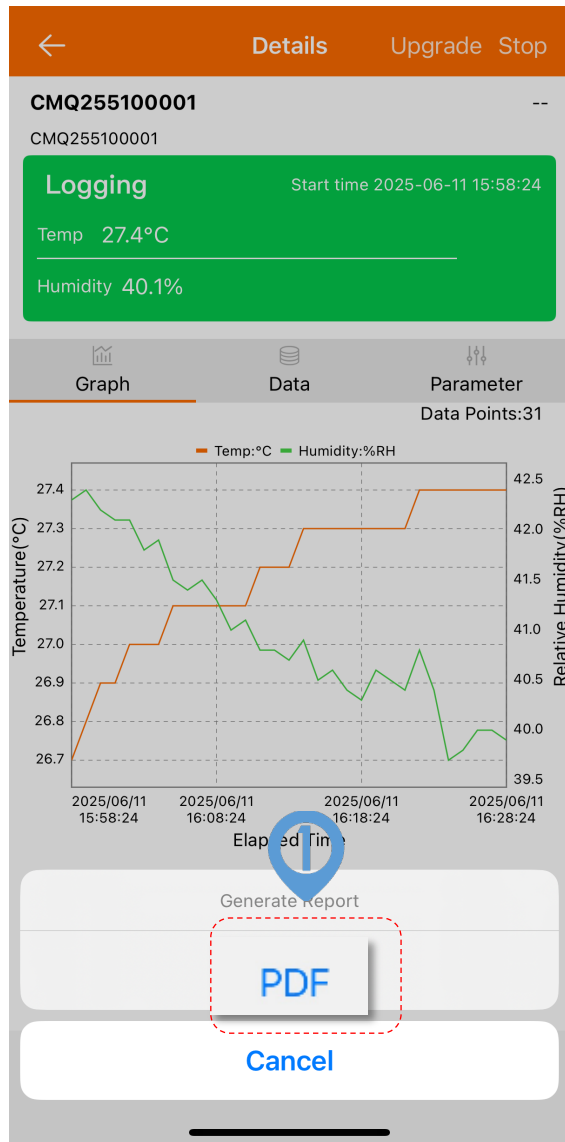
Alert Zone			
Tem range	-40.0°C - 80.0°C		

Summary			
Max	29.6°C	Started	2025-05-07 15:48:03
Min	29.4°C	Stop time	2025-05-07 15:49:23
Avg	29.5°C	Data Points	5
MKT	29.5°C		

Number	Date	Time	Temp	Humidity
1	2025/05/07	15:48:03	29.6	42.3
2	2025/05/07	15:48:29	29.4	42.4
3	2025/05/07	15:48:56	29.5	42.2
4	2025/05/07	15:49:23	29.5	42.1

File created:2025-05-14 15:12:38

Data to the Cloud



NOTE

✔ You need to complete the step of "[Export Data](#)" firstly, then the data can be uploaded to the cloud.

View Data on Platform

Elitech iCold® Cold Chain Monitoring

S/N Start Time ~ End Time Search Batch Download Deleted

<input type="checkbox"/>	Alarm status	Device Model	Data name	Recording Time	Trip code	Trip description	Number of data	S1(Max Min)	S2(Max Min)	Note	Operation
<input type="checkbox"/>	✓	DR-230	CMQ255100001_2025-06-06 05:57:04	2025-06-06 05:57:04 2025-06-06 06:57:04	--	--	7	Max: 27.9°C Min: 27.4°C	Max: 41.0%RH Min: 38.9%RH	--	Delete Download
<input type="checkbox"/>	✓	DR-230	CMQ255100001_2025-06-06 05:42:37	2025-06-06 05:42:37 2025-06-06 05:42:37	--	--	1	Max: 27.5°C Min: 27.5°C	Max: 47.0%RH Min: 47.0%RH	--	Delete Download
<input type="checkbox"/>	🚨	GSP-6Pro	EFT249100760_2025-05-16 11:46:51	2025-05-16 11:46:51 2025-05-16 11:46:51	0000001	Temperature recording.	1	Max: 27.6°C Min: 27.6°C	Max: N/A Min: N/A	--	Delete Download
<input type="checkbox"/>	🚨	Tlog B100EC	CME209000918_2025-05-14 13:22:15	2025-05-14 13:22:15 2025-05-14 14:49:55	0000001	beijing	527	Max: 34.2°C Min: 30.3°C	Max: 0 Min: 0	--	Delete Download
<input type="checkbox"/>	✓	GSP-6Pro	EFT249000292_2025-05-07 15:48:03	2025-05-07 15:48:03 2025-05-07 15:49:23	0000001	Temperature recording.	5	Max: 29.6°C Min: 29.4°C	Max: N/A Min: N/A	--	Delete Download

NOTE

After the data is uploaded to the cloud, you can also download the data report by logging into the Elitech cloud, (<https://www.i-elitech.com/service/recorderData>). The account and password are the same as those for logging into the APP.

0 Product Certification
PART

Application in progress... ..

Elitech[®]

Innovation Preceding All

BECOMING A GLOBAL LEADER IN THE COLD CHAIN IOT INDUSTRY

