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DR-230

Temperature and Humidity Recorder Instructions

APP Android

IOS APP

Platform login website: https://new.i-elitech.com

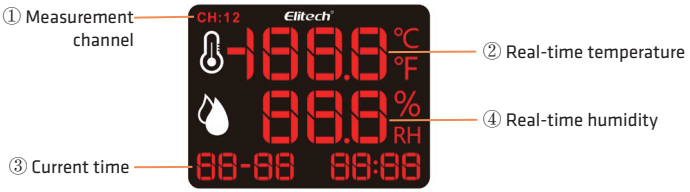
Product Overview

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; The (historical) data can be read through the APP for report export and other operations. The product is widely used in industrial workshops, warehouses and other scenarios.

1. Product features

- Fashion, support wall hanging, table and other placement methods;
- Large size display panel, clear and rich content;
- Bluetooth communication, free communication costs;
- 30000 sets of data local storage, support cyclic storage;
- local sound and light alarm, over-limit timely grasp;
- The product is suitable for warehouse, workshop and other occasions;

2. product interface



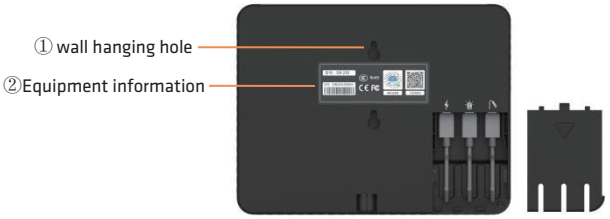
- **Measurement channel:**

When the device is configured with an external sensor type,
1------ the data of the first external T/H sensor is displayed.
2------ data of the second external T/H sensor is displayed.
When the device is configured as the built-in sensor type,The channel is not displayed, and the current display data is the built-in sensor data;

- **Alarm display:**

When any measurement value of temperature or humidity exceeds the limit value, the device flashes the full screen at a 1 second interval;
When the measurement value exceeds the limit returns to the normal value, the device automatically restores the steady on display;

3 product structure



※ Interface description:

: power supply interface

: alarm interface

: Sensor interface

※ Note: Please connect the external sensor and alarm before the device is powered on;

4 Selection list

Probe type	External	
Channel	Temperature and humidity of 1 channel	2 way temperature and humidity
Measuring range	Temperature: −40~80℃ Humidity: 0~95%RH	
Sensor type	Digital temperature and humidity sensor	
Measurement accuracy	Temperature: ± 0.5 ℃ Humidity: ± 5%RH	

5. Technical specifications

1. Power input: 5V/2A
2. Temperature display resolution: 0.1℃
3. Humidity display resolution: 0.1%RH
4. Number of recording groups: 30,000 groups
5. Data storage: cyclic storage
6. Recording interval :10s~24H can be set (default 10 minutes)
7. Alarm parameters: 3 seconds /10 seconds/constant ringing (default off)
8. Screen: Plexiglass panel
9. Communication method: Bluetooth
10. Alarm mode: external alarm, flashing display
11. Protection level: IP50
12. Size: 215mm*165mm*19mm

Manual

● Peripheral connections

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;

● Configuration

Use Elitech iCold APP to set the recorder parameters;

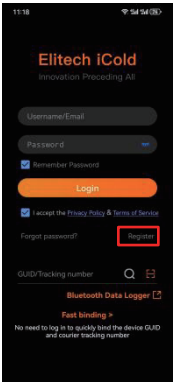
● Alarm

1) The Elitech iCold APP can be used to configure device alarm parameters, including temperature alarm upper limit, temperature alarm lower limit, humidity alarm upper limit, humidity alarm lower limit, alarm mode, alarm switch and other parameters;
2) When any measurement parameter of temperature and humidity exceeds the limit, the device flashes the screen every 1 second. When the temperature and humidity value returns to the limited range, the device automatically returns to normal display;
3) When any temperature and humidity measurement parameter exceeds the limit, the device will start timing according to the alarm delay time setting. If the temperature and humidity measurement value does not return to normal within the delay time, it will alarm according to the set alarm mode after the delay time is up (external acousto-visual alarm);

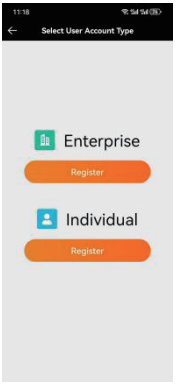
APP Manual

1. Sign in

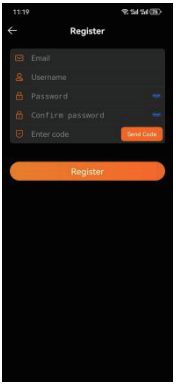
Please scan the QR code on the front page of this manual or search for "Elitech iCold" in the mobile app store to download and install. After installation, open the APP and follow the prompts to register and log in.



① Open the APP and display the following



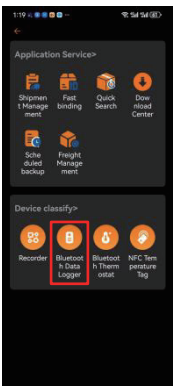
② click "Register", select the account type

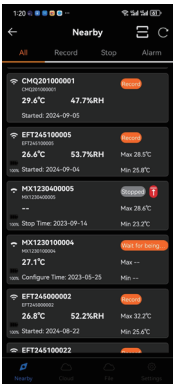


③ fill in the information to complete the registration

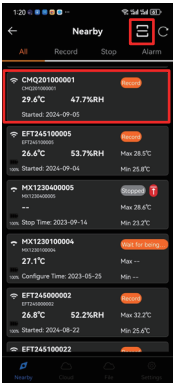
2. Add device

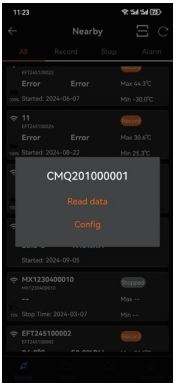
① After login, the display is as follows:
② Click "" in the upper left corner of the home page,
③ Click" Bluetooth Data. Go to the device classification screen Logger and add devices





④ Swipe up and down to select the device or click "" in the upper right corner, scan the bar code on the back of the device, select the device to connect, and select" Config "to configure parameters after the connection is successful. Enter the interface again, click "Read data", when the data is successfully read, the device will be automatically added.





3. Parameter setting

① Set the temperature unit ② set the time zone ③ set the recording interval

④ Set the alarm and alarm mode

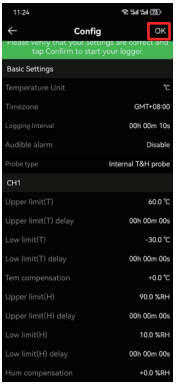
⑤ set the sensor type of the recorder

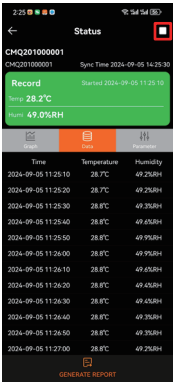
⑥ set the alarm upper and lower limits and alarm delay

After the above parameters are set, click "OK" in the upper right corner of the interface to complete the parameter delivery. After the parameters are successfully delivered, the setting will automatically start recording.

4. Enable/stop recording

① Enable recording: After you tap OK on the parameter setting screen, the device starts recording data.
② Stop recording: click "Read data" to enter the data interface, and click "■" in the upper right corner to stop recording.

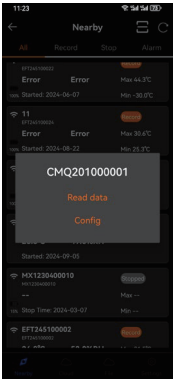


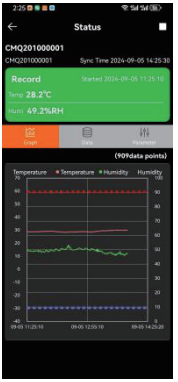


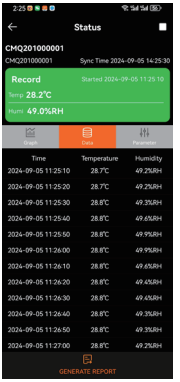
Note: After manually stopping the record, you need to reconfigure the parameters to turn on the record again.

5. View the data

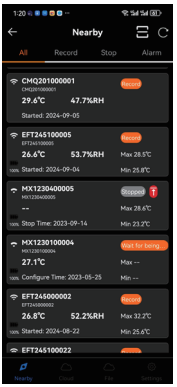
① In the recorder connection after the successful pop-up interface, click "Read data", automatically read the recorder stored data, read the data after the completion of the data display, support charts and detailed data two display modes. In the detailed data display interface, you can export the report operation;

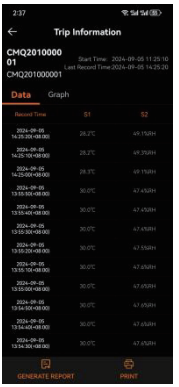






② In the "NearBy" interface, click "Cloud" below to enter the cloud data view. On the interface, you can click the historical trip to view the corresponding data and export the data report.





6. Check the device status

① "Record" : The device is in the record state;
② "Stopped" : the device is in the stopping state;

Please type int URL http://new.i-elitech.com to log in for more operation, Click“Help” to obtain Cloud and App operation instructions.

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