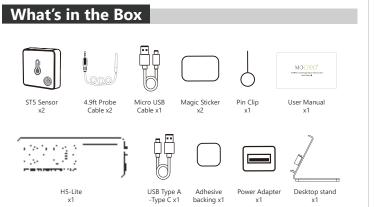
# 说明书印刷尺寸: 100x60 mm

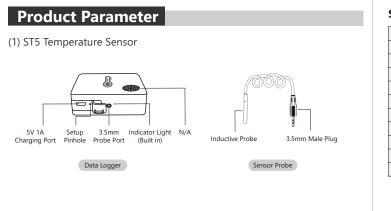
ST5-H5 Lite Temperature Sensors Kit

User Manual

### Content Introduction What's in the Box Product Paramete-Installation .... Test the Effectve Distance How the System Works Calibration... Troubleshooting **Customer Service** Precautions for Use FCC Statement ····· Warranty ..... Disclaimer ··

- A new generation of Hub with dot matrix LED and IPS LCD display, data visualization and portable human-computer interaction bring you a new
- ST5 wireless temperature sensor, with 4.9 feet / <3mm ultra-thin waterproof external probe, widely used in refrigerators, freezers and other low-temperature environments; bathtubs, fish tanks and other water environments
- ST5 Sensor temperature range: -67°F ~ 257°F (-55°C ~ 125°C). • Three alarm notification methods: email alert, app push notification, hub beep. Assist you to be informed of the changing conditions of the field environment in time



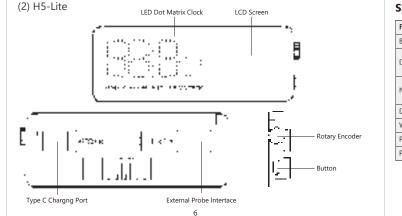


### Bluetooth 131ft/40m (No Obstacles) 2.4 x 2.4 x 0.7 inch (L x W x H Weight (Including Prob 3.7V 1800mAh Lithium Battery Battery (Rechargeable) Size of Stainless Steel She 6 mm in diameter -67°F ~ 257°F (-55°C ~ 125° Probe Measuring Rage ±0.9°F (In the Range of 14°F to 185°F)

Regarding the installation and deployment of H5-Lite, we recommend that

desktop for convenient access to Sensor monitoring data and device status

upon completing the setup process for H5-Lite, you place it on your



Function	Ports	Specifications
Button	Physical Button * 2	Encoder: 3-way button * 1, track-type button * 1
Display	LCD Display (W * H)	2-inch, 320 * 240 IPS display, non touch
	LED Dot Matrix	7-segment 4-digit clock display
Network	Wi-Fi	2.4 GHz, 802.11 b/g/n
	Bluetooth	BLE 5.0
Dimensions	Overall Dimensions (L * W * H)	127.3mm*13.6mm*45.6mm
Weight	Weight	1.93 ounces
Power	Type-C*1	DC 5V/1A
Prober	Type-C*1	Temperature Probe

### Setup

## 1 Download MOCREO Smart App

Search for "MOCREO Smart" on Google Play Store/ App Store or scan the QR code below to download the MOCREO Smart App and register your MOCREO account on the app. (MOCREO will send you a confirmation email, click on the confirmation to



complete the registration)







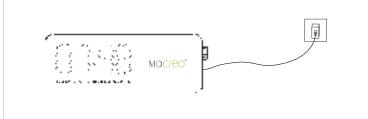




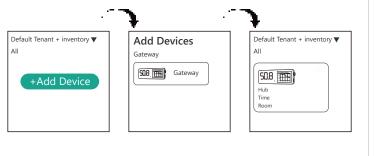


### 3 Add H5-Lite

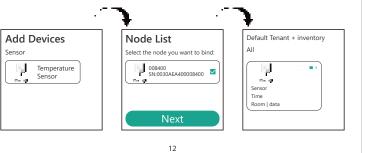
Power your H5-Lite with the matching power adapter as well as the power You need to go to the system settings page to grant the following cord.And follow the steps prompted by the app to complete the H5-Lite permissions to the MOCREO Smart App to ensure that the device can be added properly and the related functions can be used normally. addition process.



### Launch H5-Lite, open the MOCREO Smart App and log in to your MOCREO account. Click [+ Add Device] in the main interface of the App, and select [Gateway] to start the process of adding H5-Lite.



Click [+] in the upper right corner of the App main interface, select [Temperature Sensor] > [Temperature Sensor - ST5] to start the ST5 Sensor



# Regarding the ST5 Sensor, we advise positioning it in close proximity to the

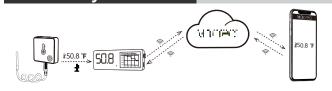
H5-Lite whenever feasible, while deploying it in a relatively elevated location within the same space to mitigate potential obstructions and sources of signal interference.



# Test the Effective Distance

- Place the paired ST5 Sensor in the location you want tomonitor. The suggested distance between the H5-Lite and Sensor is within 67ft-82ft (Household environment).
- Poke the Sensor pinhole for 1s and release.
- After 20~30 seconds, Tap the corresponding Sensor cardon the App to reach the Sensor Settings Page and view the signal value, signal value stronger than 20% is ideal.

How the System Works



The ST5 Sensors use Bluetooth to communicate with the H5-Lite. Therefore the distance are limited to a Bluetoothrange centered on the Hub (e.g., around the house)

This range is affected by distance and obstacles such aswalls, windows, water, radio interference, etc.In short,longer distances and more obstacles mean weaker signals.

The H5-Lite uses a Wi-Fi (2.4GHz only) to transmit datafrom the MOCREO used to view your device data from anywhere in the world.

- The ST5 Sensor built-in 1800mAh rechargeable lithiumbattery.
- The battery can last up to 2 years before it needs to becharged again. • Please charge the Sensor with a Micro USB Cable and a 5V1A power
- The battery percentage can be checked on the App: SensorSettings Page > More device information > Batterr Power (Please do not check the battery level while the device is charging).

Sensors in range to the Internet. Acellular hotspot with Wi-Fi capability can also be used toprovide Internet access. Then, the MOCREO App can be

• When the Sensor was taken to or from the refrigerator/freezer, the ST5 Sensor will spend some time calibrating thereading, and it would take about 20 minutes for the ST5 tomeasure to proper ambient temperature.

indicator light goes off it means charging iscomplete.

(Including Email alerts and APp notification)

• When charging, the red indicator light will stay on andwhen the red

• Low battery alert will be triggered when the battery isbelow 10%.

- calibrated industrial-grade chip and is more accurate than ordinary
- Calibration is usually not required, if you need informationabout the chip, please check the FAQ.

• The ST5 has a built-in USA-made DS18B20 chip, which is astrictly

• Calibration is only used to correct for small variations of+0.9°F (±0.5°C). If you find larger differences than thisduring calibration, which indicates a problem with thecalibration process of your Sensor, please contact MOCREOCustomer Service.

- To determine whether the H5-Lite is offline, one can make a comprehensive assessment based on error messages presented on the H5-Lite's LCD display and the current operational status within the H5-Lite app.
- If your H5-Lite is currently offline and you have verified that both the power supply and network environment are functioning normally, we recommend initiating the H5-Lite network diagnostic feature via the specified path on the H5-Lite LCD display. Subsequently, kindly provide us with the results of the network diagnosis for further investigation and analysis of the issue you are encountering.

### • Regarding the offline issue of the ST5 Sensor, we suggest that you first inspect the current operational state of the H5-Lite.

of the ST5 Sensor is at an optimal level. Please refer to the **Battery** for

- If the H5-Lite is offline, please analyze and troubleshoot according to the • If the H5-Lite is online, we suggest you check if the current battery level
- more information on this matter. • If you have confirmed that the current battery level of the ST5 Sensor is optimal but the Sensor remains offline, this issue may arise from the ST5
- Sensor being out of the H5-Lite Bluetooth scanning range. • We recommend that you follow the instructions in the **Installation** to readjust the Sensor's deployment position. Try to bring the Sensor closer to the Hub and place both in the same space at a relatively elevated position, avoiding obstacles and sources of signal interference.

### **Customer Service** http://doc.mocreo-faq.com/

+1 (530) 988-8608

information at your fingertips.

1. H5-Lite

# **Precautions for Use**

To ensure the normal use of the product, please payattention to the following situations:

- It is recommended to install the H5-Lite in a high place. • Do not expose the Device to high temperatures, humidity, ordusty
- Do not place the Device near flammable materials. • Do not put heavy objects on the Device or use it as asupport.
- Children should not use the Device without adult supervision.

### FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body. Note: This equipment has been tested and found tocomply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protectionagainst harmful interference in a residential installation. This equipment generates uses and can radiate radio frequencyenergy and, if not installed and used in accordance with theinstructions, may cause harmful interference to radiocommunications.

However, there is no guarantee that interference will not occurin a particular installation. If this equipment does causeharmful interference to radio or television reception, which canbe determined by turning the equipment off and on, the useris encouraged to try to correct the interference by one ormore of the following measures:

- Increase the separation between the equipment and receiver. • Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician forhelp.

MOCREO products enjoy a 12-Month limited warranty (Startfrom the date when customer receives the product), whichapplies only to hardware components of the device that arenot subject to accident, misuse, neglect, fire, or other externalcauses, alterations, repair.

The contents about how to use the product and the Appguidance are only for reference, please refer to the actual situation for specific application. If please contact MOCREO Support for updates. This product is for detectingand monitoring only, MOCREO is not responsible for anyproperty damage or other consequences of the use of thisproduct.

Search [ MOCREO Sensor ] on YouTube to watch the setup video tutorials.