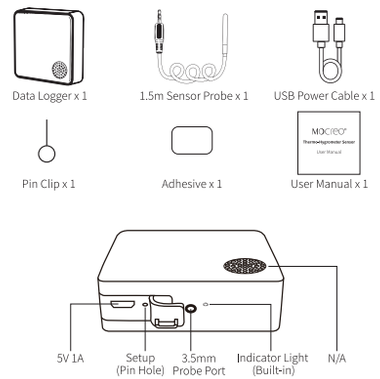
ST4 双面说明书（页边线不印刷）
展开尺寸：300x60mm
折叠尺寸：60x60mm

Introduction

MOCREO ST4 Sensor is a temperature Sensor with a waterproof external probe designed to operate in extreme conditions (-40°F to +257°F), which can detect and record ambient temperature in real-time. It uploads the latest and historical data to MOCREO Cloud so that you can browse and get notifications through MOCREO APP and Web Portal. It's rechargeable, low power consumption, and easy to install. With a 1.5m probe, it's perfect for use in fridge/freezer, fish tank, pet cage, bedroom, or any other places that require monitoring of temperature.

Note: This product is designed for indoor use only, and needs to work with MOCREO IoT Hub (Gateway).

What's in the box



RF Sensor

Current Status	Pin-hole on the Sensor	Operation	LED Indicator
Sensor is paired	Short press for 1s	* Sensor goes online * Effective range test	Flashes one time
	Long press for 5s	Factory reset	Flashes one time
Sensor is unpaired	Short press for 1s	Into setup mode	Keeps flasing

Note: After the Sensor was factory reset, it needs to be re-added via the App.

Specification

Model	ST4
Dimensions	61.1 x 61.4 x 19.0 mm
Weight (including probe)	83 g
Battery (Rechargeable)	3.7 V 1800 mAh Lithium battery
Working Distance	230ft / 70m (No obstacles)
Wireless Connections	Wireless Network (802.15.4)
Size of Stainless Steel Shell	6 mm in diameter
Cable Length	1.5 m
Cable Diameter	ϕ 3 mm
Probe Measuring Range	-40°F to +257°F (-40°C to +125°C)
Temperature Accuracy	±0.5°C (in the range of -10°C to +85°C)

Setup

Note:
Please make sure the Hub firmware version is (or above) v1.6.5 and the MOCREO Sensor App version is (or above) v1.0.20 before setup. If not, please update the Hub firmware and App version first via the MOCREO Sensor App.
If the Hub or App update fails, please contact us (contact@mocreo.com).

1. Please make sure that the Hub has been successfully added to your MOCREO Sensor App.
2. To pair the Sensor with the Hub: Please launch the MOCREO Sensor App.
Click the "+" on the upper right corner of the homepage.
Select the Temperature Sensor (with the corresponding image), and follow the instructions on the App.

If the pairing process fails, please bring the Sensor closer to the Hub and try again.

MOCREO Sensor App

Installation

After paired the Sensor with the Hub, before installing the Sensor, it is recommended to identify and rename the Sensor on the App, and test the effective communication distance between the Sensor and the Hub:

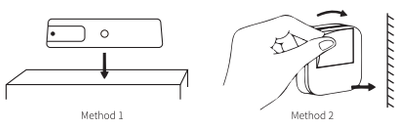
・ At the expected installation location (of the Sensor), insert the Pin Clip into the pin-hole and press once shortly (less than 1 second, then release).
・ In 5~10 s, you may see the background of corresponding card changes from yellow to green on the App homepage, indicating that the connection between the Sensor and the Hub is good.

After the Sensor is paired with the Hub, connect the Sensor Probe to the Data Logger to start monitoring, and then install it on the desired location.

1. How to install:

Method 1: Directly place it on the desired position.
Method 2: Peel off the adhesive protective film and paste it on the desired position.

Please make sure that the surface of the pasted position is clean and dry.



2. To improve the wireless connection stability, it is recommended:

a) Install the Sensor close to the Hub. It's better if the Hub and the Sensor can see each other.
b) Reduce the obstacles between the Hub and the Sensor.
c) The Hub and Sensor should be placed far away from metal objects or surfaces to avoid signal interference.
d) Check if the Hub's antenna is tightened and keep it upright.
e) Check (via App) the battery power in time to avoid unstable transmission signal caused by the insufficient power supply.
f) Stay away from high-power equipment, flammable and explosive materials.

3. Precautions about the Sensor placement environment:

a) The Data Logger is non-watertight, please avoid water submerging and extreme temperature.
b) The working temperature range of the Sensor is -40°F to +257°F (-40°C to +125°C). When exceeding this range, the data monitored might be inaccurate or the Sensor might be damaged.
c) The battery is rechargeable. It can be charged with the micro USB cable equipped. But the battery is not removable.

Warranty

MOCREO products can enjoy a 12-Month limited warranty (start from the date that customer receives the product), which applies only to hardware components of the device that are not subject to accident, misuse, neglect, fire, or other external causes, alterations, repair.

Customer Service

Web: www.mocreo.com
Phone: +1 (530) 988-8608
Email: contact@mocreo.com

FAQ

MOCREO Sensor

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

MOCREO®

Temperature Sensor - ST4

User Manual

封面

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- 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 for help.

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.