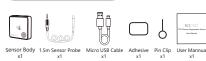# MOCREO®

ST9 Thermo-Hygrometer Sensor
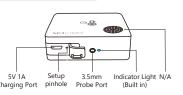### User Manual

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Introduction

● MOCREO ST9 Thermo-Hygrometer Sensor can detect and record ambient temperature and humidity in real-time.
● Detectable Temperature Range: -40°F ~ 221°F.
● Detectable Humidity Range: 0~100%RH.
● Three Alarm Methods: E-Mail Alert, App Push Notification, Hub Beeping.
● The ST9 Thermo-Hygrometer Sensor uses IP67 waterproof probe, making it undisturbed in humid environments and delivering reliable measurements (Note: Sensor body is not waterproof).

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What's in the Box

Sensor Body x1 | 1.5m Sensor Probe x1 | Micro USB Cable x1 | Adhesive x1 | Pin Clip x1 | User Manual x1

Product Parameter

5V 1A Charging Port | Setup pinhole | 3.5mm Probe Port | Indicator Light (Built in) | N/A

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Specifications

Model	ST9
Wireless Connection	Bluetooth
Communication Range	131ft/40m (No Obstacles)
Dimensions	2.4 X 2.4 X0.7inch (L x W x H)
Weight (Including Probe)	76g
Battery (Rechargeable)	3.7V 1800mAh Lithium Battery
Cable Length	1.5m
Temperature Measuring Rage	-40°F~221°F(-40°C~105°C)
Temperature Accuracy	±0.5°F/0.3°C(Typ.)
Humidity Measuring Rage	0 ~ 100%RH (No Condensation)
Humidity Accuracy	±3%RH (Typ.)

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Setup

1 Download MOCREO App

Search "MOCREO Sensor" on Google Play/App Store or scan the QR Code below to download the MOCREO Sensor App and register a MOCREO account on the App Before adding Sensors, Please ensure that the Hub is successfully bound. If you have not setup a Hub, please consult the Hub Manual or ST9 Temperature Sensors Kit Manual to setup the Hub.

Google Play   App Store   MOCREO App

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2 Setup Tutorial

Please scan the QR code below to watch the setup tutorial.

3 Turn on the Bluetooth

Make sure the Bluetooth is ON during the whole setup process.
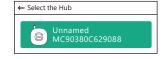
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4 Sensor Joins the Hub

Tap the [+] Button on the upper right of the MOCREO Home Page and select 'Climate Sensor -ST9' (Please ensure that the Hub is successfully bound).

Note:
● Please make sure the Bluetooth of your mobile device (smart phone/ tablet) is enabled during the whole setup process.
● The Bluetooth and GPS can be turned off after the Sensor setup is completed.

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5 Select the Hub

Unnamed
MC90380C629088

6 Poke the Sensor

Poke the Sensor pinhole with a pin for 1s and release, then the indicator light of Sensor will flash (Please complete this operation within 60 seconds, and you can add up to 10 Sensors at a time).

1s

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7 Add the Sensor

Select the Sensor you want to add and click on the "Add Button" (up to 10 Sensors can be added at a time). When the ✓ appears on the Sensor card, it means the Sensor is successfully added. Please wait until all Sensors status to become complete.

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Installation

1. Please place the Hub at a relatively high position. The suggested distance between the Hub and Sensor is within 131ft (No obstacles, signal value stronger than 20% is ideal).
2. Please make sure the sensor probe was inserted firmly (Note ST9 probe is waterproof but the Sensor Body is not).
3. Paste the Sensor Body on the outside of reptile tank and place the probe inside.
4. Mount the probe away from water jets and try to avoid liquid condensation on the probe. When there is condensation on the probe, it will affect the test accuracy and accurate measurement results can only be obtained after the condensation has evaporated.

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5. Do not immerse the probe in water for a long period of time as this may shorten its service life.
6. The working temperature range of the Sensor is this range, the data monitored might be inaccurate from -40°F to +221°F (-40°C to +105°C). When exceedin of the device that are not subject to accident, misuse, or the Sensor might be damaged.

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Test the Effectve Distance

● Place the paired ST9 Sensor in the location you want to monitor. The suggested distance between the Hub and Sensor is within 82ft (Household environment).

● Poke the Sensor pinhole for 1s and release. After 20~30 seconds, Tap the corresponding Sensor card on the App to reach the Sensor Settings Page and view the signal value, signal value stronger than 20% is ideal.

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Warranty

MOCREO products enjoy a 12-Month limited warranty (start from the date when 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

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Disclaimer

The contents about how to use the product and the App guidance are only for reference, please refer to the actual situation for specific application. If there is something differs from the instruction during using the product, pease contact MOCREO Support for updates. This product is for detecting and monitoring only, MOCREO is not responsible for any property damage or other consequences of the use of this product.

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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.
(2) This device must accept any interference received, including interference that may cause undesired operation.

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

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Note: 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, 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:

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● 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.

(v1.2)

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