

MOCREO®

## Environmental Monitoring Solution

• *Real-time monitoring for peace of mind* •



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## About MOCREO

**MOCREO is a one-stop IoT solution provider for environmental monitoring.**

Based on Wi-Fi, BLE, ZigBee, LoRa, 4G, 5G, LTE-M, our customized IoT solution does well in real-time environmental monitoring, instant alert and historical data storage, which is beneficial for food industry, pharmacy, laboratory, greenhouse, server room, etc. to improve regular environmental supervision with high-efficiency operation.

## Have you suffered the unexpected situation due to the abnormal environmental conditions?



### Head chef

It is too late to discover the cooler is too warm and our food become spoiled. I have no choice but to disposed of the food and rush to replenish the foods which usually isn't available.

### Lab researcher



We would spend much time ensuring if the vaccines, medications and samples are stored at the optimal temperature. Otherwise, the integrity and efficacy of these temperature-sensitive medical resources would be impaired.



### Facility manager

Protecting the life of facilities is our responsibility. The overheating equipment or water leakage in the area would lead to the extensive downtime, of which repairing bill is much costly.

### Greenhouse farmer



We really concern about whether our crops grow at the proper environmental conditions because these would influences the crop yield and quality.



### Hotel administrator

Once my staff didn't close the door of refrigerator properly. Unluckily, most of the ingredients were already spoiled as nobody took notice of the potential risk for a long time. I afraid that would happen again.



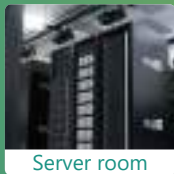
Food production



Greenhouse



Factory



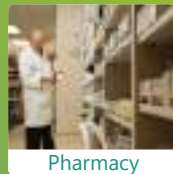
Server room



Laboratory



Hospital



Pharmacy

Facility Malfunction

Medical Resource Loss

## Where and What result in

Food Spoilage



Restaurant



Supermarket



School/Campus cafeteria



Hotel

## However, the challenges are



### Ineffectively traditional logging

Manual recording is time-consuming and is prone to inaccurate.



### Limited working time

It is impossible for people to stay at the site any moment.



### Insufficient warning mechanism

The potential risk failed to be discovered in time, thereby causing the unexpected loss.

## With MOCREO, you will



Realize the remote monitoring in real time



Foresee the potential risk and alert in time



Replace the tradition manual recording









Reduce the loss and the unnecessary cost






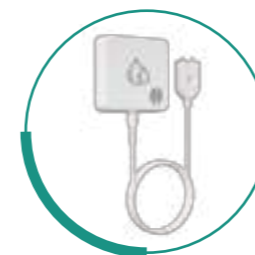
# Environmental Monitoring Sensors

## Overview Feature

-  24/7 Real-time Monitoring
-  3 Optional Instant Alerts
-  Free Data Storage/Export
-  Battery Life Up to More than 2 Years
-  Multi-Device Access to View the Data
-  Scalable Deployment

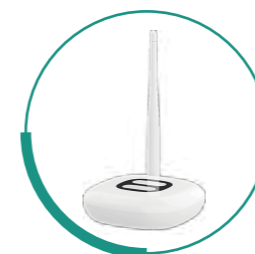


	 ST6 ST3	 ST5 ST4	
Name	Temp&Humidity Sensor	Temperature Sensor	Temperature Sensor
Model	ST6/ST3	ST5/ST4	ST7
Wireless Connection	ST6: Bluetooth/ST3: ZigBee 3.0	ST5: Bluetooth/ST4: ZigBee 3.0	Bluetooth
Alarm Type	App Notifications,Email,Hub Beep	App Notifications,Email,Hub Beep	Local Beep
Communication Range	ST6: 131ft/40m (No Obstacles) ST3: 230ft/70m (No Obstacles)	ST5: 131ft/40m (No Obstacles) ST4: 230ft/70m(No Obstacles)	50ft/15m(No Obstacles)
Temperature Measuring Range	-4°F ~ 140°F (-20°C ~ 60°C)	-40°F ~ 257°F (-40°C ~ 125°C)	-40°F ~ 257°F (-40°C ~ 125°C)
Humidity Measuring Range	0 ~ 100%RH (No Condensation)	/	/
Accuracy	±0.5°F(0.3°C); ±0.3%	±0.9°F/±0.5°C	±0.9°F/±0.5°C
Dimensions	2.4 X 2.4 X0.7inch (L x W x H)	2.4 X 2.4 X0.7inch (L x W x H)	3.8 X 1.8 X0.8inch (L x W x H)
Battery(Rechargeable)	3.7V 1800mAh Lithium Battery	3.7V 1800mAh Lithium Battery	9V 6LR61
Alarm Level	/	/	110dB



## Water leak Sensor

- Model: SW2
- Wireless Connection: Bluetooth
- Alarm Type: App Notifications,Email,Hub Beep
- Working Temperature Range: 14°F ~ 131°F (-10°C ~ 55°C)
- Working Humidity Range: 0 ~ 95%RH (No Condensation)
- Communication Range: 131ft/40m (No Obstacles)
- Dimensions: 2.4 X 2.4 X0.7inch (L x W x H)
- Battery(Rechargeable): 3.7V 1800mAh Lithium Battery
- Alarm Level: 95dB

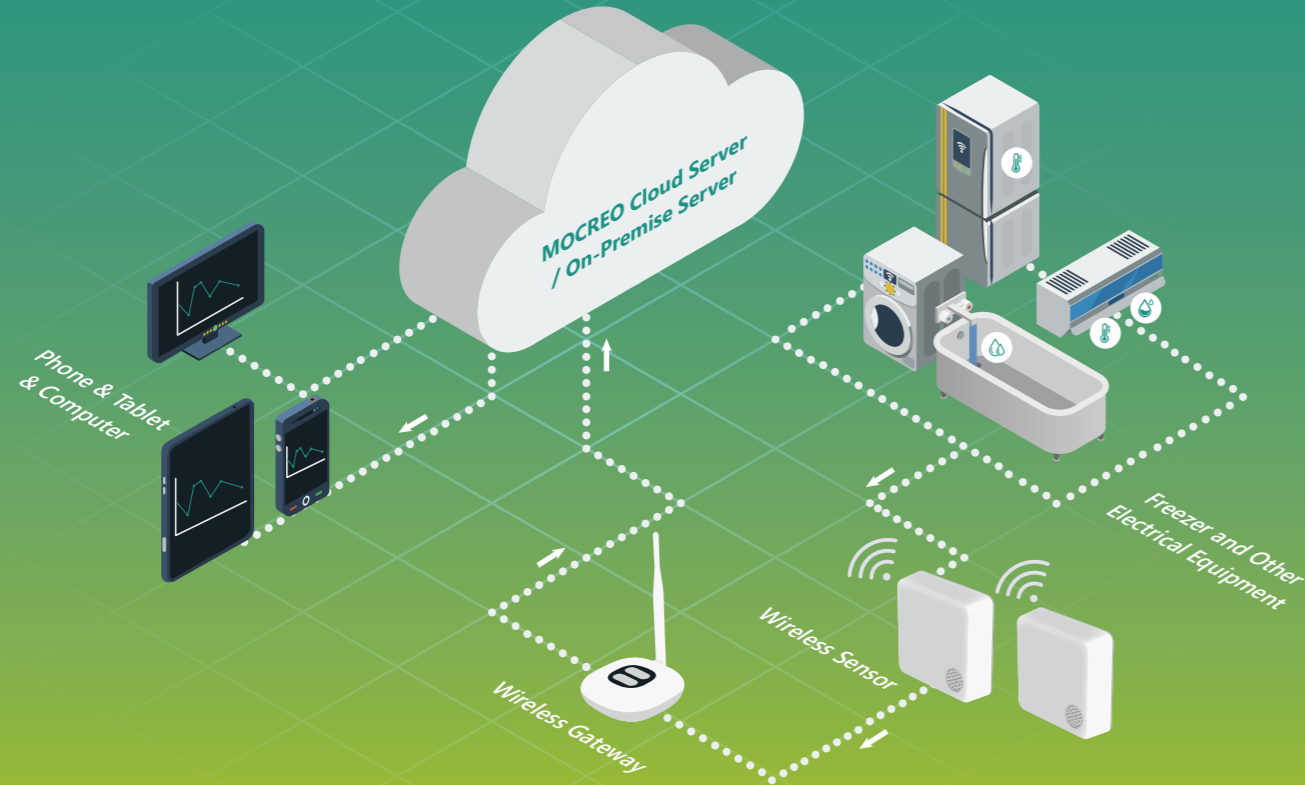


## Gateway

- Model: H1B
- Working Temperature Range: -4°F ~ 145°F (-20°C ~ 60°C)
- Working Humidity Range: 0 ~ 95%RH (No Condensation)
- Alarm Level: 85dB (Adjustable)
- PAN Wireless Communication: Bluetooth & Zigbee 3.0
- Power: 5V/1A USB Adapter
- Ethernet: 10Mbps/100Mbps
- Wi-Fi: 2.4GHz 802.11b/g/n Wi-Fi

# The MOCREO Environmental Monitoring Solution

Our solution is combined with the wireless sensor, hub and MOCREO monitoring platform, which improve the asset protection, equipment inspection and streamline the workflow



✓ Through deploying the wireless sensors where you want to monitor, the real-time data can be recorded automatically and abnormalities can be detected in time .

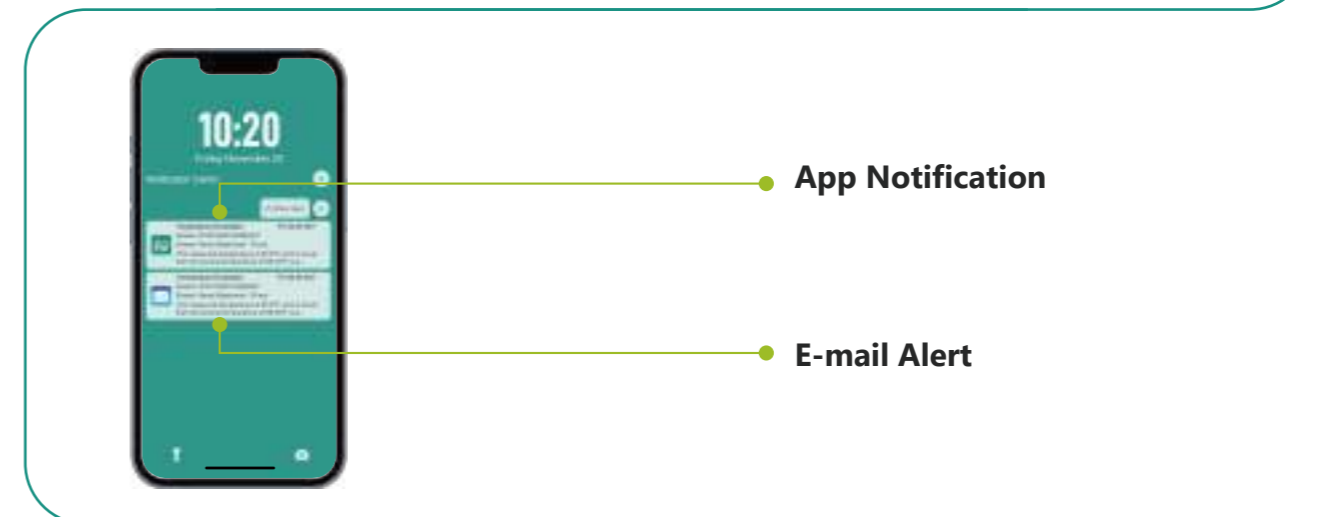
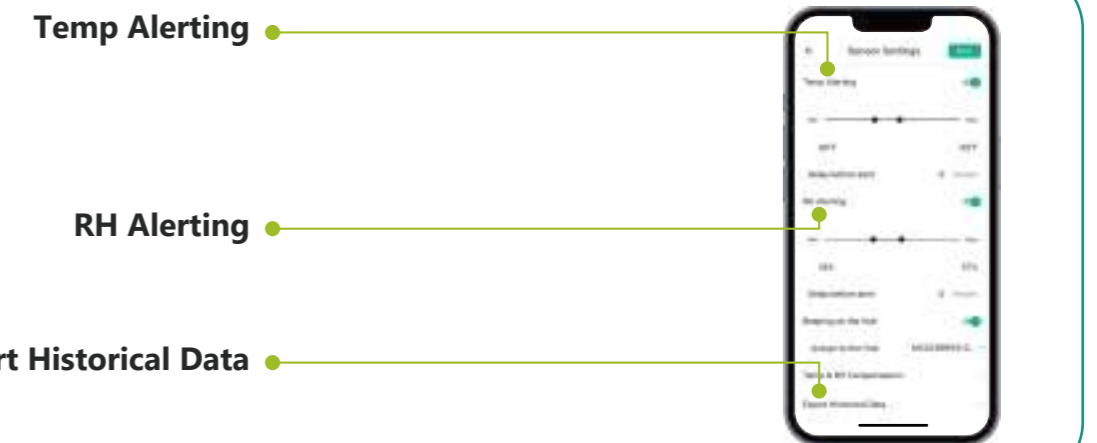
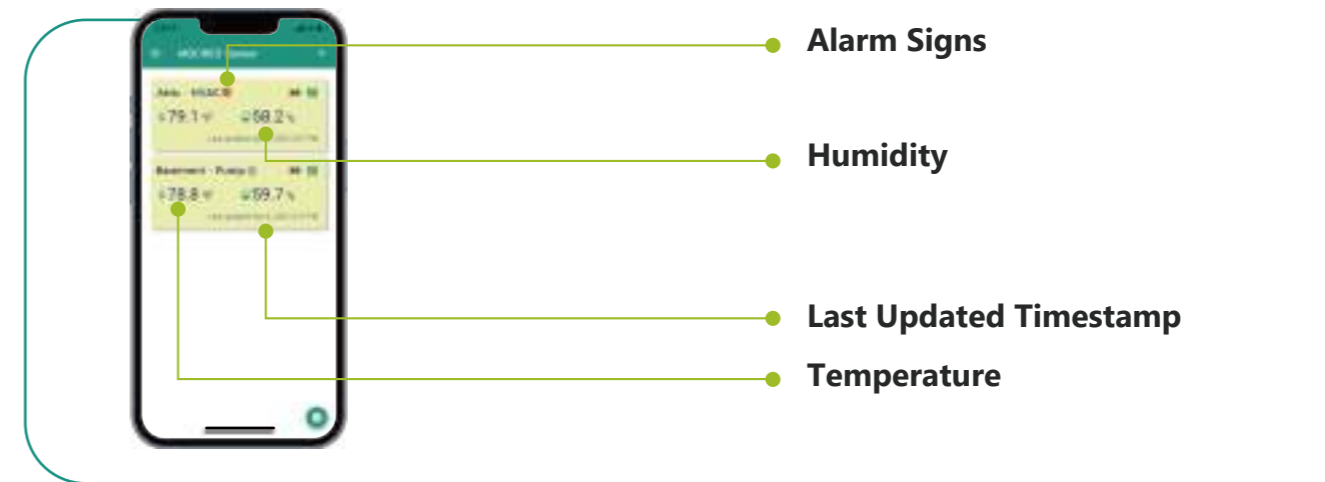
✓ MOCREO offers 24/7 monitoring and you can access the environmental conditions data on your phone, tablet or computer, ensuring the safety of your precious assets.

✓ In case of any issues, you and your team will receive alert notifications via email, App notification, and local buzzer, avoiding suffering the huge loss before the accident becomes worse.

✓ MOCREO can provide a quick return on investment by delivering actionable insights and time-stamped data that can be used to improve operations and ensure compliance with regulatory standards during audits.

# MOCREO Dashboard

MOCREO offers 24/7 automated monitoring and you can access the environmental conditions data on your phone, tablet or computer, which helps you and your team have better insight, better management and better decision.



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## 24/7 Real-time Monitoring

You can always know real-time environmental condition where you want to monitor at any time even though you are not at the site.



## 3 Optional Instant Alerts

Notifies you through app notification, email alert, beeping on the hub when any abnormality appears



## Free Data Storage/Export

Automated storage historical data within 6months for your analysis or export to CSV form for historical track.



## Battery Life Up to More than 2 Years

Adopted with low-power consumption communications technology, each sensor can work last for more than 2 years on average before the next charge.



## Multi-Device Access to View the Data

Easy for multiple users or devices to log into the same account, which sets up collaborative monitoring and strengthens the warning mechanism.



## Scalable Deployment

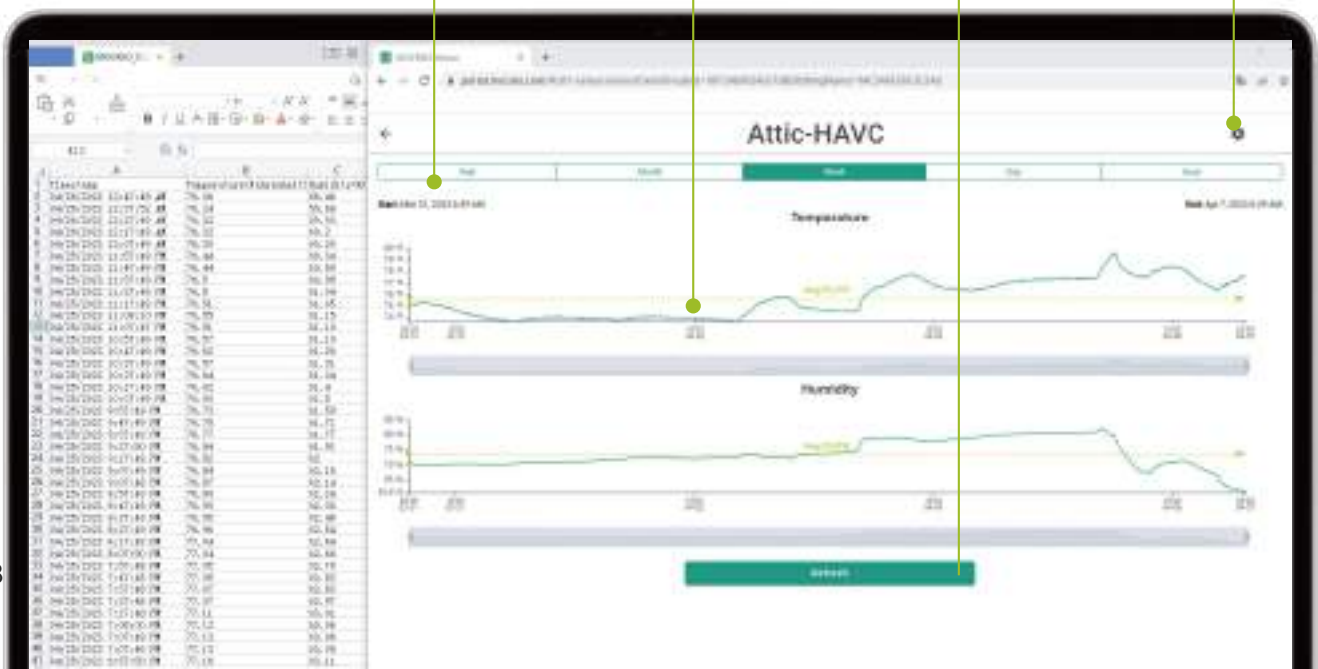
Single hub supports up to 10 sensors to be connected at multiple occasions.

## Graph

Time Period

Refresh Button

Setting Button





## Dunagan-Farms

“

MOCREO has peace of mind knowing that my beef is safe.

But now, with MOCREO sensors, I can remotely monitor my freezer anywhere at any time and get the timely notification when the temperature is outside the normal range.

The freshness of beef is the big deal. Once I lost 20 pounds of Beef because one fridge stopped cooling and I didn't know it for 3 or 4 days, which causes the overwhelming loss for us.

”

## Black Sheep Restaurants

“

We have a sensor in each deep freezer to monitor the temperature.

We lost a lot of meat after the door wasn't shut well. This is an excellent price for a monitoring system and it has been working very well for us.

Additionally, the system's data export function allows us to provide supervisors with relevant information. By the way, the responsive support of MOCREO team also leaves a deep impression on us.

”

“

It keeps an eye on our temperature-sensitive medical resources.

We like the function that we can set up alarm temperatures. We can now check the freezers anytime we want from anywhere to see if there's any issues going on with the freezers.

Additionally, it frees us from troublesomely manual recording, improving the working efficiency. We are happy with the products.

”

“

We offer high-quality meals for our customers so the quality of food is crucial.

We lost our walk-in freezers and foods and that prompted us to be more aggressive with finding an affordable solution.

MOCREO provided us with the reliable solution for remote temperature monitoring and instant alert. Automated data logging frees us from manual recording and we can focus on delivering better customer service.

”

## Proteintech

## Soma Grille

