

# LoRa Real Time Temperature Monitoring

## RCW-3000 Series

(Used with RCW-3200 Sensors)



### Overview

The wireless temperature and humidity monitoring system adopts advanced LORA communication technology, which is composed of wireless collector, wireless repeater, cloud platform, mobile APP, etc. The system uses various transmission technologies (LORA, GPRS, WIFI) to realize network monitoring of environmental temperature and humidity. The system can deploy wireless probes according to the location of the monitoring points, and select GPRS or WIFI to connect to the cloud platform according to the local environment. The wireless collector uploads data in the same wireless way, and the user views the data in real time through the browser or the intelligent terminal. The cloud platform can also be used for temperature and humidity data analysis, report export, historical data query, etc.

### Features

- Wireless deployment, no need to punch wiring, easy installation
- Lora wireless communication, to meet the visual range of 1,000 meters of data transmission;
- Automatic networking, gateway agrees to upload data, support unified management of monitoring platform
- Multiple communication, 4G/ WiFi version of the repeater free choice, to meet the communication requirements of different environments
- Remote temperature and humidity data monitoring and recording, data cloud storage, safe and reliable

#### Technical Specifications

#### RCW-3000

Data Update Interval	1-1440 Min (Default 1min)
Maximum Transport Distance	1000 meters
Maximum Adapter connected	100 Pieces
Data Storage Mode	Circular Storage
Connection Type	USB Type-C ( Rechargeable and data output )
Power Input	5V/2A
Battery Volume	5000mAh Rechargeable Lithium Battery
Display	TFT
Alarm Mode	Sound, light, Platform
Product Size	130mm*130mm*35mm

#### Technical Specifications

#### RCW-3200

Model	Built-in Temp & Humi	External Temp & Humi
Network	Lora	Lora
Sensor Type	Temp and humi integrated sensor	Temp and humi integrated sensor
Temperature Range	-20°C ~ 50°C 0%RH~99%RH	-40°C~85°C 0%RH~99%RH
Sensor Accuracy	±0.5°C ; ±5%RH	±0.5°C ; ±5%RH
Storage Cap	32000 Points	32000 Points
Connection	Micro USB(Recharge and data output)	Micro USB(Recharge and data output)
Battery Volume	3200MAH Chargeable Lithium Battery	3200MAH Chargeable Lithium Battery
Power Adapter	5V/1A	5V/1A
Protection Class	Built-in IP65	External IP64
Product Size	110×70×18mm	110×70×18mm