

Product Specification



WE-T113

Product Brief

WE-T113 is a series of temperature and humidity monitoring transmitters, Transmission methods include LoRa, RS485, 4G, NB,etc., Battery-powered and 24V power supply options. Transmitters with highly stable digital sensors, Realise real-time monitoring and calculation of temperature and humidity on site, Remote communication using LoRa, RS485, 4G , NB and other communications, Combined with WES's Industrial Edge Computing Gateway products, Upload to WES Device Management Platform, Realise real-time acquisition, analysis and calculation, storage and display of temperature and humidity physical quantities on site.

Separate transmitter body and probe design, For on-site measured media, Temperature and humidity range, and different requirements such as installation methods, Provides a variety of temperature and humidity ranges, Temperature and humidity probes for installation specifications, Optimal matching of application requirements, Can be widely used in buildings, industrial sites, municipalities and other applications.

Main features

Split design

- The transmitter body adopts LoRa type to support 410MHz~490MHz band range and SMA antenna interface; 4G type to support full network communication;
- The transmitter communicates with the WES Edge Computing Gateway via the WES-WIO wireless terminal communication protocol, Real-time reporting of on-site temperature, humidity and condition detection data;
- External temperature and humidity probe, optional and customisable temperature and humidity detection range and installation methods;

Wide selection of pressure probe sizes

- Support -40℃~125℃ conventional temperature range, other ranges can be customised;
- Support different levels of accuracy of temperature and humidity probes to meet different accuracy requirements;
- Support straight pipe, flange mounting method;

Robust industrial-grade design

- IP67 protection rating;
- Supports -40~85° storage temperature, -20~70° working ambient temperature, 5~95% relative humidity;

Comprehensive installation and after-sales maintenance

- Supports rail, wall, ring, hoop and other mounting methods;
- PO type supports 19000mAh large capacity lithium battery, Typical endurance of 5 years for a 5-minute reporting cycle and up to 15 years for a 1-hour reporting cycle;
- Supports rich fault detection functions, Including temperature and humidity threshold overruns, abnormal changes in temperature and humidity values, low battery and other fault detection, Through the WES Device Management Platform, Notify maintenance staff

by SMS and email;

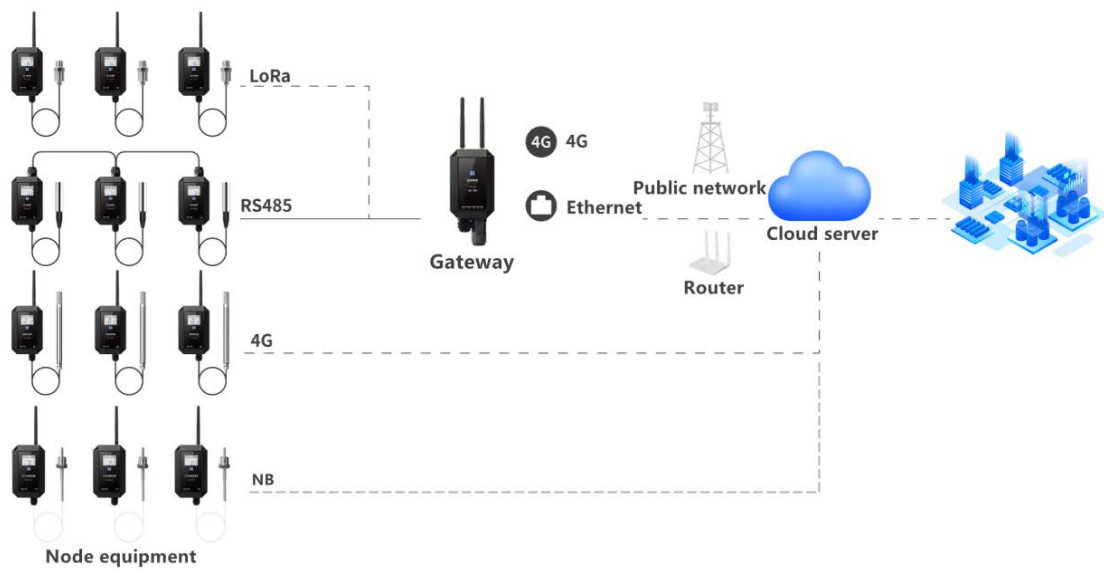
- Supports high definition LCD display, Matching LED indicators and buttons, You can view real-time temperature and humidity values, alarm information and so on;

Specification

functional	Functional	
category	Description	note
		Antenna connector type: SMA female
		Support 410.125~490.125MHz band
		Maximum 22dbm transmitter power,
communication interface	LORACommunication port	Maximum -147dbm reception sensitivity, open line-of-sight 5KM signal coverage capability
		MQTT、HTTP、WES cloud service agreement
		LTE FDD B1/3/5/8
		LTE TDD B34/38/39/40/41 (full band)
		speed(Mbps) LTE FDD: 10.3(DL)/5.1(UL)
	4G	LTE TDD: 9.1(DL)/3.1(UL)
		communication protocols compatibility WES-IO (fixation9600bps) and Modbus protocol
		baud rate 2400、4800、9600、19200、34800、57600、115200
		data bit 7bit、8bit
		stop bit 1bit、1.5bit、2bit
	RS485	parity bit None、Odd、Even
		LTE Cat NB2: B3/B5/B8
		speed(kbps): Single-Tone: 25.5(DL)/16.7(UL)
	NB	Multi-Tpne: 127(DL)/158.5(UL)
	1* keystroke	
UI	input	Refer to UI specification definition, multi-function buttons
	2* LED	
	indicator	
	light	System、LoRa Communication Indicator Light
		128*64 fractional colour print LCD
		Display of sensor values and status information
	screen	Setting up the interaction
electricity	Lithium	
supply	battery power	19000mAh, lithium battery

	supply	
	24VDC	
	electricity	
	supply	Wide voltage input, 9~30V
	working	working temperature: -20° ~70°
environments	environment	Working relative humidity: 5% ~ 95%
	Storage	Storage temperature: -40° ~ 85°
	environment	Storage Relative Humidity: 5% ~ 95%
Protection	waterproof and	
level	dustproof	IP67
	ESD	4KV contact, 8KVnon-contact
physical	Exterior	
property	Dimensions	78 (width) *121 (height) *51.4 (depths) mm
	Installation	Wall-mounted, pole, hoop, rail mounted
	Measurement	
monitors	type	temperature and humidity
	Measurement	temperature: -40~125℃
	range	Humidity: 0~100%RH
	Detection	temperature: ±0.2℃
	accuracy	Humidity: ±2%RH (selectable±3%RH, ±5%RH)
	minimum	temperature: 0.1℃
	resolution	Humidity: 1%RH
		<0.25%RH/Y (Specific to the sensor)
	stability	<0.02℃/Y (Specific to the sensor)
	Probe mounting	
	method	Flange mounting, other mounting options can be customised

Typical topology



Selection and ordering

Product base model:

WE-T113

Parameter Selection Table:

communication method	A Accuracy level	R Measurement range	P Power supply method	Sensor probe mounting method
LR: LoRa			P0: battery powered	
4G: 4G/cat1			P1: 9~30VDC electricity supply	
RS: RS485				
NB: NB2	1%RH	-40~125°		flangeless
Other Communication Customisation			Other power supply customisation	

example:

WE-T113-LR-P0

LoRa Wireless Temperature and Humidity Transmitter, 1%RH accuracy, -40° ~ 125° detection range, battery powered, Flange Mounting

Temperature and humidity transmitter

WE-T113 instruction manual



Preface

- This manual is an instruction manual for various functions, wiring methods, operation methods, etc. of the product.

- Please read this manual carefully before operation, use this product correctly, and avoid unnecessary losses caused by incorrect operation.

- After you finish reading, please keep it in a place where it is easy to access it at any time for easy reference.

Note

- If there are any changes to the contents of this manual due to function upgrades, please refer to the newly released document.

- We strive to be correct in the content of this manual, so if you find an error, please contact us.

- The content of this manual is strictly prohibited from reprinting or copying.

- Please use this product in accordance with the characteristics of this product and comply with national and regional laws and regulations.

● The final interpretation of this manual is the property of the Company.

version

U-WE-T113-CN1 First Edition August 2025

Confirm the package contents

After opening the box, check the contents of the package before you begin. If you find that the model and quantity are wrong, or if there is physical damage to the appearance, please contact us.

The product packaging content is shown in the standard configuration list.

Product standard configuration list

Serial number	Name	quantity	Note:
1	Temperature and humidity transmitter	1	
2	Instructions	1	

3	Antenna	1	
4	Certificate of conformity	1	

Note: Customized products may be slightly different from standard products, please refer to the order.

Table of contents

Temperature and humidity transmitter.....	1
Preface	2
Note	2
version	3
Confirm the package contents.....	3
Chapter I Product Overview:	7
1.1 Product Introduction.....	7
1.2 Measurement principle.....	8

1.3 Product features:	8
Chapter II Technical parameters	1
Chapter III Product structure and size	4
3.1 Dimensions	4
3.2 Material:	4
Chapter IV Installation and wiring.....	5
4.1 Arrival inspection	5
4.2 Installation notes	5
4.3 Mounting orientation.....	6
4.4 Installation guide.....	7
4.5 Installation diagram.....	8
Chapter 5 operation.....	9
5.1 Display and operating unit	9
5.2 On-site operation.....	14
5.3 The device is on the cloud.....	18
5.4 Device local Bluetooth configuration.....	27
5.5 Precautions for use	28
Chapter 6 Fault analysis and troubleshooting	29
Chapter VII Warranty and after-sales service	31
Appendix Data Communications	32

Appendix Selection and Ordering.....	38
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第1章 Product Overview:

1.1 Product Introduction

WE-T113 is a series of temperature and humidity monitoring transmitters, including LoRa, RS485, 4G, NB, etc., and the power supply mode is battery power supply and 24V power supply. The transmitter adopts high-stability digital sensors to realize real-time monitoring and calculation of on-site temperature and humidity, and uses LoRa, RS485, 4G, NB and other communications to achieve long-distance communication.

The transmitter body and probe are split design, and for different needs such as the measured medium, temperature and humidity range, and installation methods, a variety of temperature and humidity ranges, installation specifications of temperature and humidity probes, optimally matching the needs of application scenarios, can be widely used in building buildings, industrial sites, municipal and other application scenarios.

1.2 Measurement principle

The temperature and humidity transmitter adopts a platinum resistance temperature sensor, which uses the correspondence between its resistance value and temperature to convert the resistance change into an electrical signal through a precision circuit, and obtains the accurate temperature value after linearization and temperature compensation. Humidity measurement uses a hygrometric capacitance sensor, and the accurate humidity value is obtained through signal conditioning and temperature compensation through the change of dielectric constant with humidity. After the collected analog signal is converted by high-precision analog-to-digital conversion, it is calculated and compensated in real time by the embedded processor, and finally outputs the standard signal through LoRa, RS485, 4G or NB communication methods to achieve long-distance transmission and platform data upload.

1.3 Product features:

- The mobile app can monitor the meter anytime and anywhere.

Chapter 1 Product Overview

- 4 communication methods to choose from.
- Battery and external power supply mode selection.
- Operating temperature range (-20~70)° C.
- Fully sealed waterproof design with IP67 protection.
- Support guide rail, wall mounting, snap ring, hoop and other installation methods.
- High gain antenna and multiple verification mechanisms ensure online.
- Support high-definition LCD display, you can check the temperature value, humidity value, alarm information, battery reminder, etc. in real time on the spot.

第2章 Technical parameters

表1 Technical parameters

Input	
Measure variables	Temperature and humidity
Measurement range	Temperature: -40~125 ° C Humidity: 0~100%RH
Performance parameters	
Detection accuracy	Temperature: $\pm 0.2^{\circ} \text{C}$ 湿度: $\pm 2\% \text{RH}$ (可选 $\pm 3\% \text{RH}$, $\pm 5\% \text{RH}$)
Minimum resolution	Temperature: 0.1°C Humidity: 1% RH
Stability	< 0.25% RH/year (subject to the sensor). < 0.02°C /year (subject to the sensor).
Sampling period	1S-65535S can be set, default 30s
Reporting cycle	10s~65535s can be set, default 1 hour
Signal transmission	
LoRa	Antenna Interface Type: SMA Female It supports the 410.125~490.125MHz frequency band Maximum transmit power of 22dBm, Maximum -147dbm reception sensitivity,

	5KM signal coverage capability with open viewing distance
4G	Antenna Interface Type: SMA Female Three-year flow rate (100M/month) It supports MQTT, HTTP, and WES cloud service protocols LTE FDD B1/3/5/8 LTE TDD B34/38/39/40/41 (全频段) 速率(Mbps) LTE FDD: 10.3(DL)/5.1(UL) LTE TDD:9.1(DL)/3.1(UL)
RS485	Communication protocol Compatible with WES-I0 (fixed 9600bps) and Modbus protocol Baud rate 4800, 9600, 19200, 34800, 57600, 115200 Data bits 7 bits, 8 bits 停止位 1bit、1.5bit、2bit 校验位 None、Odd、Even
NB	Antenna Interface Type: SMA Female Five-year flow rate (300M/year) LTE Cat NB2: B3/B5/B8 速 率 (kbps) : Single-Tone :

	25.5 (DL) / 16.7 (UL) Multi-TPNE: 127 (DL) / 158.5 (UL)
Electrical specifications	
Power supply	19000mAh, lithium battery
	DC 9-30V
Battery life	Subject to specific usage conditions and reporting cycles The collection period is 60s, and it is reported once an hour. LoRa: 3.4 years NB: 2.5 years 4G: 1.6 years
environmental conditions	
Work environment	Operating temperature: $-20^{\circ} \sim 70^{\circ} \text{C}$ Working relative humidity: $5\% \sim 95\% \text{ }^{\circ} \text{C}$
Storage environment	Storage temperature: $-40^{\circ} \sim 85^{\circ} \text{C}$ Storage relative humidity: $5\% \sim 95\% \text{ }^{\circ} \text{C}$
Protection level	IP67 4KV contact, 8KV non-contact

第3章 Product structure and size

3.1 Dimensions

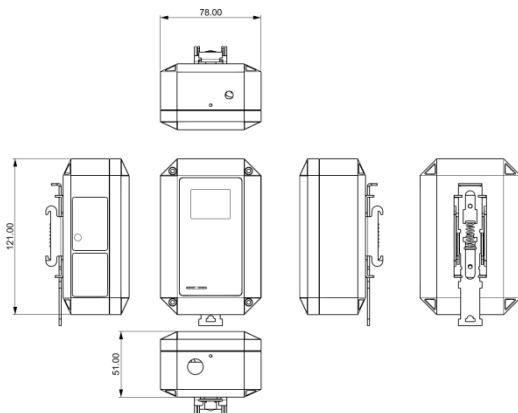


图1 Product dimensions

3.2 Material:

Housing material: ABS/PC

Cable sheath material: PVC or polyurethane PU

第4章 Installation and wiring

4.1 Arrival inspection

After the product arrives, the user should first check the packaging quality of the product, the packaging box should be intact and the logo should be clear. If the packaging has been obviously damaged, contact the storage and transportation department in time to find out the problem and responsibility and notify our company. If the packaging is not damaged and other problems, the product can be taken out of the box and the integrity of the product can be counted.

4.2 Installation notes

(1) The temperature and humidity transmitter should be installed in a position with low vibration and easy maintenance to avoid strong mechanical shock.

(2) The temperature and humidity transmitter can be installed directly on the measuring point.

(3) The installation position of the transmitter probe should be able to truly and accurately represent the temperature and humidity conditions of the measured environment, and avoid

local hot and cold and humidity sources such as doors and windows, air conditioning outlets, heaters, and steam sources.

(4) The probe section is suitable for a variety of atmospheric environments. For extremely harsh working conditions with high concentrations of corrosive gases, oil or dust, please select the probe with the corresponding protection level and order according to special requirements.

(5) When installing, please fix the probe properly, do not pull or bend the probe leads, and do not directly twist the transmitter gauge.

4.3 Mounting orientation

(1) The installation direction of the temperature and humidity transmitter body is not limited, and it can be wall-mounted or rail-mounted.

(2) In order to ensure the accuracy of measurement, the probe installation direction is crucial. The sensor (temperature/humidity sensing part of the probe) should be kept under the transmitter body to prevent condensation that may be

generated inside the body from flowing into the probe sensor along the leads, affecting performance or even causing damage.

(3) The probe should be installed in a position with good air circulation, and avoid placing it in a dead corner of the wall or confined space to ensure sufficient heat and moisture exchange with the surrounding environment.

4.4 Installation guide

(1) Wall mounting/rail mounting: Use the mounting bracket or standard DIN rail clip provided in the box to fix the transmitter body to a sturdy wall or cabinet rail.

(2) Probe pipe installation: If you need to measure in the air duct or pipe, the probe should be firmly installed through a special flange interface to ensure that the front of the moisture sensing element faces the direction of airflow, and ensure that the interface is well sealed to prevent air leakage.

(3) Spatial measurement installation: When used to measure large space environments, the probe installation height is recommended to be between 1.2 meters and 1.5 meters (average human respiratory height) and away from any objects that may

affect local temperature and humidity.

4.5 Installation diagram

In the direction shown in the figure below, the accessories are installed on the back of the transmitter, and the two screws are fixed, and the transmitter can be directly snapped on the 35mm rail.

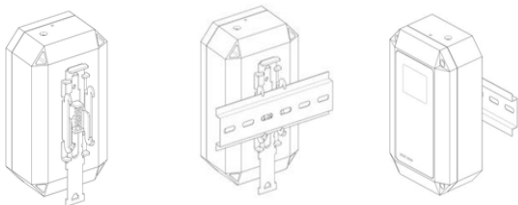


图2 Schematic diagram of rail installation

You can also install a fixed card, as shown below, push the spring upwards to snap the card in to facilitate the fixed installation with screws or cable ties.

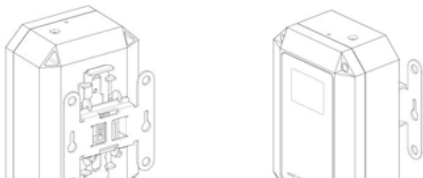


图3 Schematic diagram of fixing card installation

第5章 operation

5.1 Display and operating unit



图4 Panel schematic

5.1.1 Interface Description

表2 Interface description

Serial number	Description
1	System time
2	Bluetooth: After the Bluetooth connection between the phone and the device is successful, the Bluetooth logo will be displayed
3	Upside signal
4	Battery level
5	Temperature measurement unit
6	Temperature measurements
7	Recognition Countdown, after the device is recognized, start a 600-second countdown
8	Alarm information
9	Unit of measurement of humidity
10	Humidity measurements

5.1.2 Key Instructions

1 operation button on the left side of the main unit.

表3 Key definitions

operation	Description
Click	Light up the screen and backlight Switch pages List wraps, option switching Modify the parameter value by 1
Double click	Enter the parameter modification sub-interface Determine the options
Three strikes	Identify the device Enter the parameter setting interface
Long press	Long press for 5~6 seconds, the system light will flash white, and the device will restart after releasing the button. Long press for 10-11 seconds, the system light flashes white, and after releasing the button, the device parameters return to the default value and enter the inactive state.
Activation	Press and hold for 5~6 seconds, the system light

operation	Description
	flashes white, release the button, and then click the button to activate the device.

5.1.3 Indicator Light Description

Communication indicator: flashing green, indicating normal communication

System light: Flashing green, indicating that the device is normal

Flashing orange indicates that the device is alarmed

Flashing red indicates a faulty device

5.1.4 Alarm and fault information

表4 Alarm code

Status code	Problem location
1	Plate temperature
2	battery
3	Bluetooth
4	Uplink network
5	shown

Status code	Problem location
6	sensors
7	Other

For example, the status code in the figure shows 6, which indicates the sensor alarm, indicating that the current acquisition value triggers the alarm threshold.

5.2 On-site operation

The device button operation is as follows:

Operation instructions: Click the button to light up the screen and display the monitoring value and other information; Click the button again to light up the background light, and click the button again to display the QR code. Under the QR code interface, click the button three times to enter the parameter setting interface.

Parameter settings: In the LoRa example, after entering the parameter setting interface, you can set parameters such as device address and LORA network (Net, Channel). In the Setting interface, click the button to wrap the list, as shown in the figure below, double-click the button to enter the parameter setting

interface.



图5 Parameter interface

After entering a parameter modification interface, as shown in the figure below, the first row is the parameter value,  which means to save, and  to return to the previous level; With a single click, the action flag cycles through the four options, and the background of the action flag changes to a dark color when the action flag is on one option.



图6 Schematic diagram of the parameter subinterface

Parameter modification example, the operation flag moves to the first row, double-click the key, as shown in the figure below, after the triangle appears, click the key, click once, the value is added by 1, and the cycle of 0-9 is repeated. Once the value is determined, double-click the key and the triangle disappears. The action flag moves to , double-click the button to save the settings. The operation flag moves to the  Setting interface.



图7 Operation diagram

The page parameters table is as follows:

表5 Parameter list

page	Parameter Name	Value range	Note:
Setting	Address	LoRa: 1-99 RS485: 1-64	Device address
	Net	1-99	LoRa 网络 ID (仅 LoRa 版本)
	Channel	0-83	LoRa Network Channel (LoRa version only)
	Baudrate	1-64	Baud rate (RS485 version only)
	Exit	/	Exit
Address	/	1-99	You can modify the device address
Net	/	1-99	You can modify the LoRa network ID of the device
Channel	/	0-83	You can modify the LoRa network channel of the device
Baudrate	/	4800 9600 19200	The baud rate of RS485 communication can be modified

page	Parameter Name	Value range	Note:
		38400 57600 115200	

5.3 The device is on the cloud

This product can be bound to the device through the "World Power Device Assistant" applet or web terminal to realize remote monitoring, abnormal alarms, data reports and other functions.

5.3.1 Device cloud platform

(1) Mini program

Search for the mini program "World Electric Device Assistant" in WeChat and add the mini program.

(2) Web

Web Address: <https://hnsd.weixinzjit.com/wessass/#/login>

5.3.2 Adding Devices

Step 1: Enter the mini program project device management interface

Click Projects - Select Projects - Click  - Click - Device

Management.



图8 Enter the project equipment management interface

Step 2: Add the device

Click the + sign in the upper right corner of the device management page, select the product, select the addition method, you can add it manually, scan the code to add or scan the QR code to add.

Select Add Manually: After clicking Next, select the Device Serial Number (SN), tap Next, and click Confirm Device.

Select Bluetooth: Click Search, select a device you searched, click Save, and click Confirm Device.

Select Scan QR code: Click Search, scan the device QR code, and click Confirm device.

Add manually:



图9 Add manually

Scan the code to add:



图10 Scan the device QR code to add

Bluetooth adds:



图11 Bluetooth added

5.3.3 Guidelines for using the device cloud platform and mini program

For example, after the device is successfully added, you can view the device in the project. Click Projects - Select Projects - Click  - Click - Device Management.



Click on the device name  to go to the device control page. By default, the device information page is opened, and you can query the device information and network information on the device information page.



Click Status to view the status information of each device on the Device Status page. (Note: For low-power devices, you need to identify the device in O&M and wait for up to 1 reporting cycle before the device is successfully identified.)



Click Configure and click Query to query the values of each attribute of the device.

Select the attribute you want to modify, modify the attribute value, and click Sync.

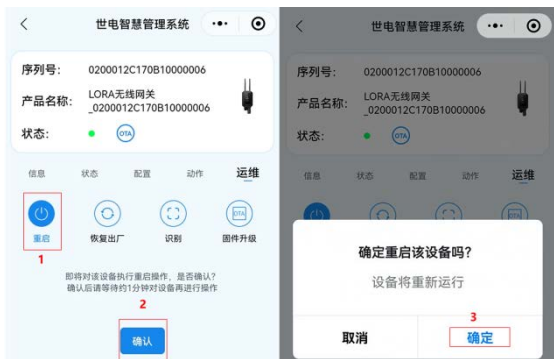
(Note: For low-power devices, you need to identify the device in O&M and wait for up to 1 reporting cycle before the device is successfully identified.)



Click O&M to restart, restore, identify, and upgrade the device.



Tap Restart, tap OK, and the device will restart.



Click Factory Reset, click OK, and the device attribute values will be restored to factory defaults. (Note: Please operate with caution)



Tap Recognize, and the device will enter the recognition state, and the recognition countdown will be displayed.



Click Firmware Upgrade, tap Upgrade, and the device will enter the upgrade state and wait for the upgrade to end. (Note: Not necessary, no upgrade is required, please proceed with caution)



5.4 Device local Bluetooth configuration

Step 1: Enter the mini program and search for the device via Bluetooth

Click Search for devices. Stop searching when you find the device you want to connect to.

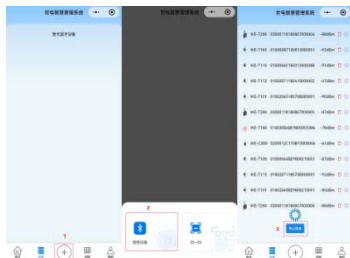


图12 Bluetooth search device

Step 2: Bluetooth connection device

Click the device name to connect the device.

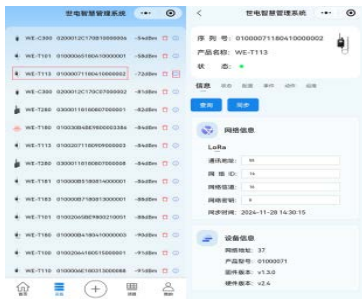


图13 Bluetooth connected devices

5.5 Precautions for use

This product has the function of real-time reporting of thresholds: during the reporting interval, if there is an abnormality in the collection data (exceeding the set threshold, it needs to be set in advance), the set of data will be reported immediately (the device collection cycle is 1 minute by default, and the reporting period is 1 hour by default, both can be adjusted).

第6章 Fault analysis and troubleshooting

The following table lists the possible problems with the temperature and humidity transmitter and the solutions, if your problem is not listed or the solution does not deal with your problem, please contact us.

表6 Common fault analysis and troubleshooting

Fault phenomenon	Cause analysis	Elimination methods
The meter is not displayed	The battery is low	Replace the battery with a new one
Unable to receive data	The 4G/NB network can judge the meter status through the indicator light, and if it is not successfully stationed on the network, it will check: Whether the SIM	(1) Install the SIM card correctly, (2) Contact the network operator to set up the network, or check the signal strength of the local 4G network.

	card is installed correctly and whether it is in the Wi-Fi service area.	
	The LoRa network is not connected	Check whether the supporting gateway is connected Whether the parameters of LoRa and the gateway are consistent

第7章 Warranty and after-sales service

The company promises to customers that if there is a product quality problem during the warranty period, the company will implement an unconditional three-guarantee service for products with quality problems, that is, free repair, replacement or return. All non-customized products are guaranteed to be returned or exchanged within 7 days (excluding damaged products), and customized products are subject to the warranty agreed in the contract.

Disclaimer

During the warranty period, product failures caused by the following reasons are not covered by the three guarantees:

- (1) Product failure caused by improper use by the customer.
- (2) The customer disassembles, repairs and modifies the product by himself, causing product failure.

Appendix Data Communications

1. Data format

The default data format for Modbus communication is:
115200, n, 8, 1 (baud rate 115200bps, 1 start bit, 8 data bits, no
check, 1 stop bit).

2. Information Frame Format (xx represents one byte)

a) Read data instruction frames

01 04 xx xx xx xx xx xx

Address Function Code Register Start Address Number of
Registers CRC Check Code (low byte first)

b) Read the data response frame

01 04 xx xx..... xx xx xx

Address Function Code Number of Bytes Answer Data CRC Check
Code (low byte first)

c) Write data instruction frames

01 06 xx xx xx xx xx xx

Address Function Code Register Address Write Data CRC
Checksum (Low Byte First)

d) Write data response frames

01 06 xx xx xx xx xx xx

Address Function Code Register Address Write Data CRC

Checksum (Low Byte First)

e) Write multi-data instruction frames

01 10 xx xx xx xx xx... xx xx xx

Address Function Code Start Register Address Number of

Registers Number of Bytes Write Data CRC Check Code (low bytes first)

f) Write a data response frame

01 10 xx xx xx xx

Address Function Code Start Register Address Number of

Registers CRC Check Code (low byte first)

3. Register address

表7 Enter the register

Input		
Address	Description	Note:
0x0000	PID is 16 places higher	
0x0001	PID is 16 bits lower	
0x0002	SN byte1 byte2	
0x0003	SN byte3 byte4	
0x0004	SN byte5 byte6	

0x0005	SN byte7 byte8	
0x0006	SN byte9 byte10	
0x0007	软件版本 byte3 byte2	
0x0008	软件版本 byte1 byte0	
0x0009	Hardware version	
Reserved		
0x0010	Device status	0 Normal 1 Call the police 2 Error
0x0011	The alarm code is 16 digits higher	
0x0012	The alarm code is 16 digits lower	
0x0013	The fault code is 16 digits high	
0x0014	The fault code is 16 digits lower	
0x0015	Sensor temperature	(Unit 0.1° C)
0x0016	Humidity	(in 1% RH)
0x0017	Plate temperature	(Unit 0.1° C)

表8 Keep registers

Holding		
Addresses	Description	Note:
0x0000	Device ID	1-64 The initial default value is 1
0x0001	RS485 baud rate gear selection	0:4800bps 1:9600bps 2:19200bps 3:38400bps 4:57600bps 5:115200bps The default is 5:115200bps
0x0002	System time is high	
0x0003	The system time is low	
Reserved		

0x0010	High temperature threshold	(Unit 0.1° C) defaults to 500
0x0011	Low temperature threshold	(Unit 0.1° C) defaults to 0
0x0012	High temperature limit	(Unit 0.1° C) Default 700
0x0013	Low temperature limit	(Unit 0.1° C) Default - 200
0x0014	Temperature display units	(Default) 0: Celsius, 1: Fahrenheit
0x0015	High threshold for humidity	(in 1% RH) defaults to 70
0x0016	Humidity low threshold	(in 1% RH) defaults to 10

4. Command examples

a) Measurement Instructions:

Request frame: 01 04 00 16 00 01 D0 0E

Answer frame: 01 04 02 00 41 79 00

Example reading: 00 41, or 65% RH

b) Set threshold instructions:

For example, the high temperature threshold is 50° C and the low threshold is 0° C:

Request frame: 01 10 00 10 00 02 04 01 F4 00 00 B2 AD

Answer frame: 01 10 00 10 00 02 40 0D

c) Set the screen to display the temperature units:

For example, the screen displays the temperature unit in ° F:

Request frame: 01 06 00 14 00 01 08 0E

Answer frame: 01 06 00 14 00 01 08 0E

Appendix Selection and Ordering

WE-T113 product selection parameter table	
Parameter	Selection code and specification
Communication mode	LR: LoRa
	4G: 4G/Cat1
	RS: RS485
	NB: NB
A accuracy level	A1: 1%RH
R range range	R1: -40~125℃
Power supply mode	P0: Battery powered
	P1: 24V DC power supply
Sensor probe	N/A
Remarks: The accuracy level, range range, power supply method, and probe thread specification can be customized	

Example:

WE-T113-LR-A1-R1-P0

LoRa wireless temperature and humidity transmitter, 1%RH level accuracy, -40~125° C detection range, battery powered



For more inquiries, please scan
the QR code
