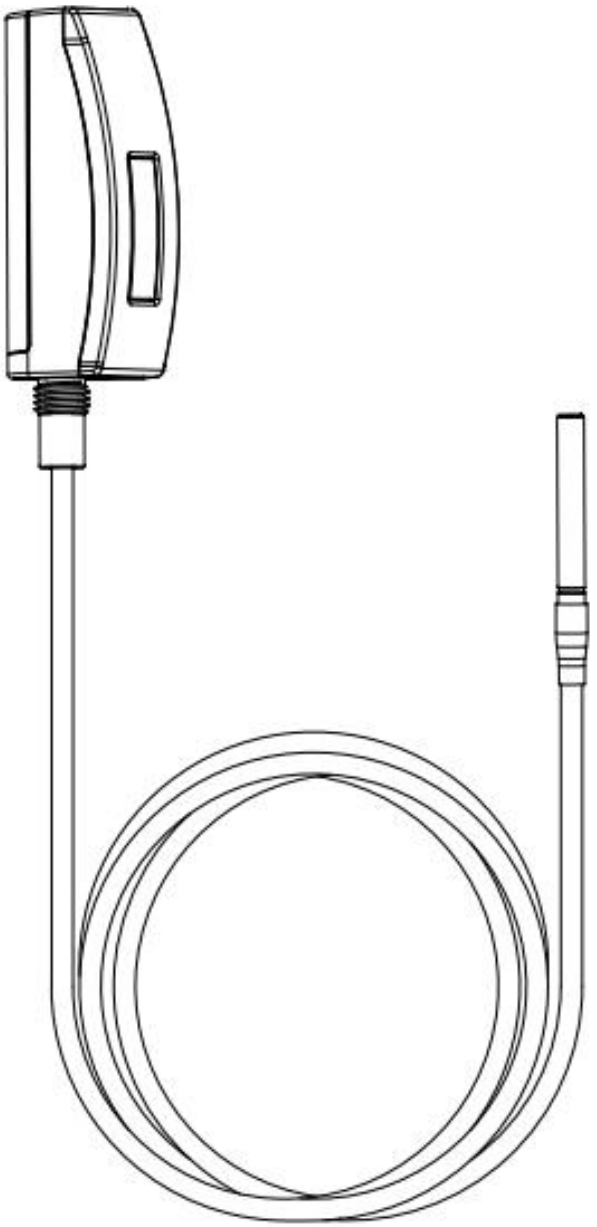
Thermometer Sensor

Model: WN34D



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* Please scan the QR code to read English manual and keep it for future reference

* Bitte scannen Sie den QR-Code zudeutsche Anleitung lesen und

aufbewahren füZukunftsbezug

* Si prega di scansionare il codice QR perleggi il manuale italiano e conservalo perReferenza futura

Instruction manuals

https://s.ecowitt.com/GBTF6X

MADE IN CHINA

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Help

Our product is continuously changing and improving, particularly online services and associated applications. To download the latest manual and additional help, please contact our technical sup-

port team:
support@ecowitt.com
support.eu@ecowitt.net (EU/UK)

1. Getting Started

1.1 Parts List

One Temperature Sensor
One Stainless Steel Round Head
Screwφ3.0*15 (Diameter: 3mm) for mounting
One Stainless Steel Hose Clamp for mounting

One Stainless Steel Bracket for mounting
One User Manual

2. Overview

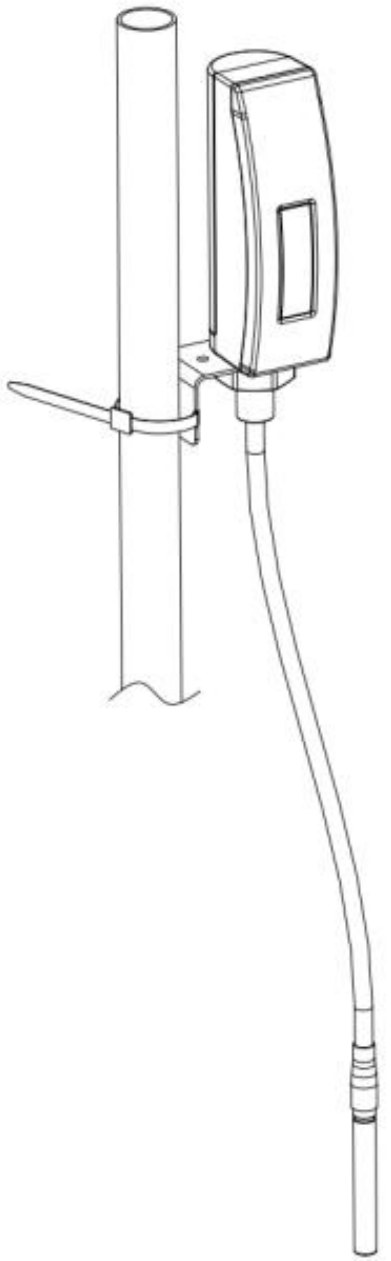


Figure 1: Temperature Sensor

2.1 Features

Temperature Sensor

- Measures temperature with a 1m (3.28ft) cabled sensor.
- Extended wireless range up to 300 feet (100 meters) in open areas.
- Difference from WN34L/WN34S : WN34L/WN34S's temperature measurement range is -40~60 °C (-40~140 °F), while WN34D's temperature measurement range is -55~125 °C (-67~257 °F). WN34D has wider measurement range and adopts one wire digital sensor technology.
- Transmits readings every 77 seconds.
- IP66 waterproof.
- LCD display for current reading.

When paired with a GW1100/GW2000 Wi-Fi Gateway:

- View temperature reading on the Live Data page of the WSView Plus app (requires that the gateway and your phone are using the same Wi-Fi network).
- Up to 8 channels supported. Channel names can be edited on the app.
- Battery level information displayed on the WSView Plus App.

When paired with a Weather Station Console (HP2551/HP3500/HP3501):

- View temperature data in real-time on the Display.
- Up to 8 channels supported. Channel names can be edited on the console.

When uploaded to Ecowitt Weather Server:

- View current temperature data, history records and graph on the website.
- Receive email alerts from the server.

- Remote monitoring with smart phone, laptop, or computer by visiting the website.

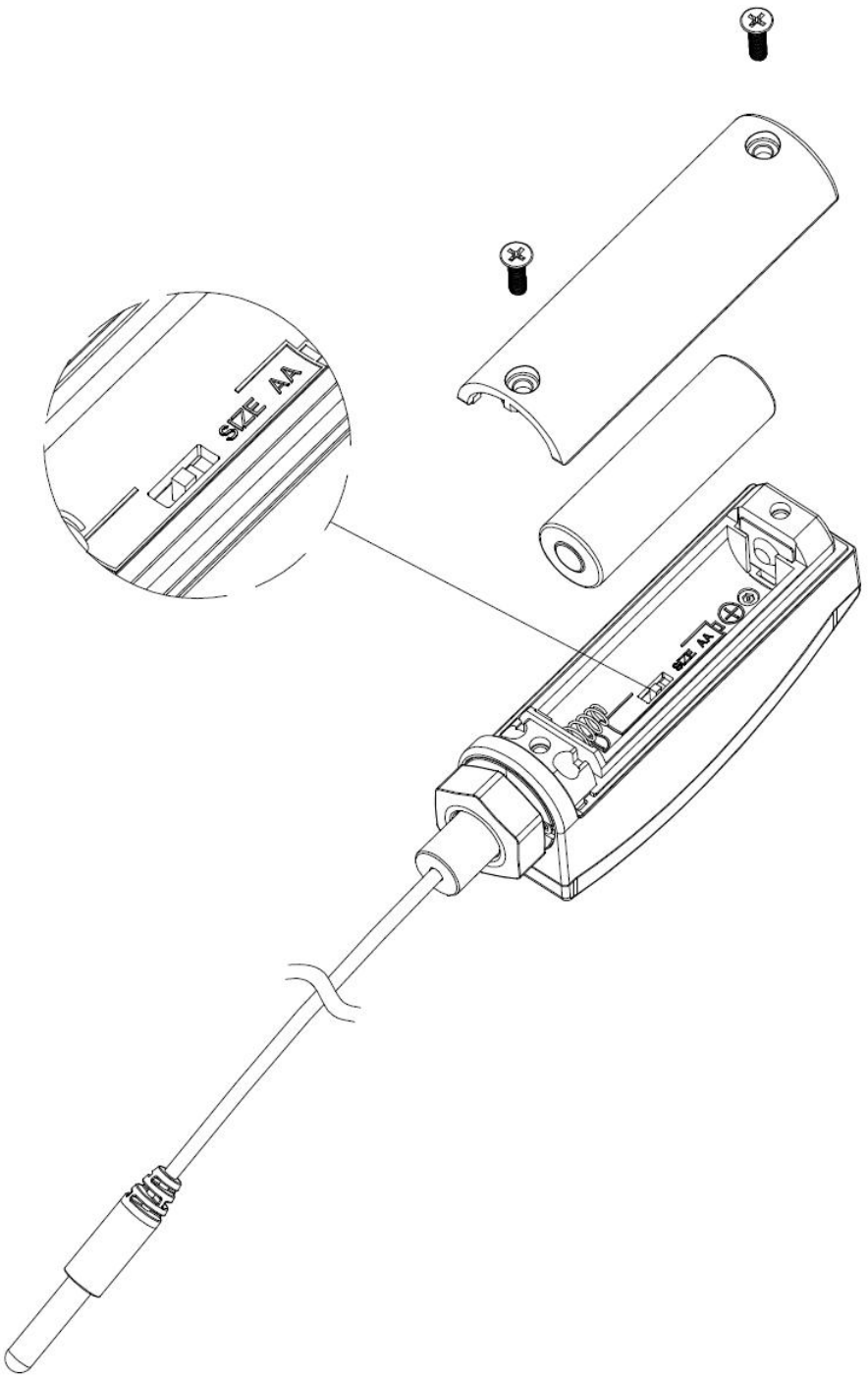
3. Setup Guide

3.1 Switch (WN34D)

The dip switch inside battery compartment is for selecting temperature units in Celsius or Fahrenheit.

3.2 Installing battery

1. Remove the battery door on the back of the transmitter by removing the screw, as shown in Figure 2:


SIZE AA

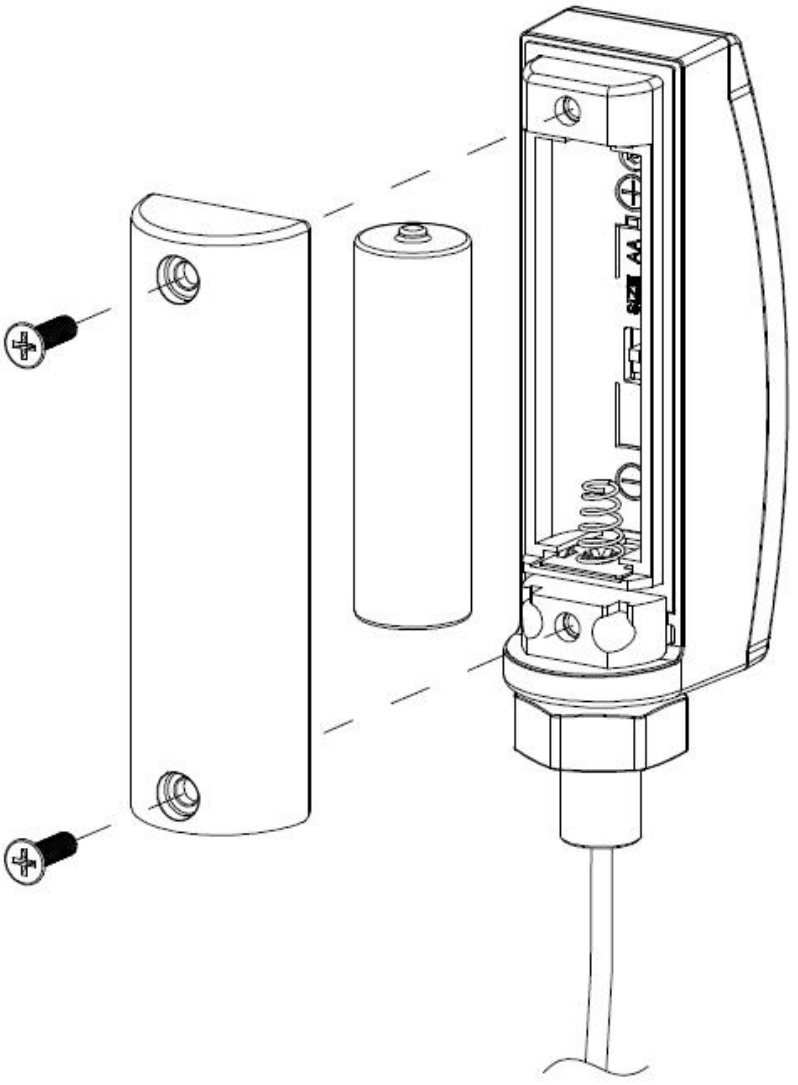


Figure 2: Battery installation

2. Insert one AA battery (be aware of polarity: flat side of the battery goes to the spring side of the battery compartment).

The temperature reading will display on the LCD screen immediately and will normally update every 77 seconds (the sensor transmission update period).

Note: If there is no reading on the screen, make sure the battery is inserted correctly. Do not install the battery backward.

3. Close the battery door by installing the screw.

4. Sensor Placement

To mount the unit on a wall or wooden beam:

- Use a screw (Stainless steel round head Screw φ3.0*15) to fix the bracket on the

wall, and then insert the probe through the hole of the bracket, as shown on figure 3-1:

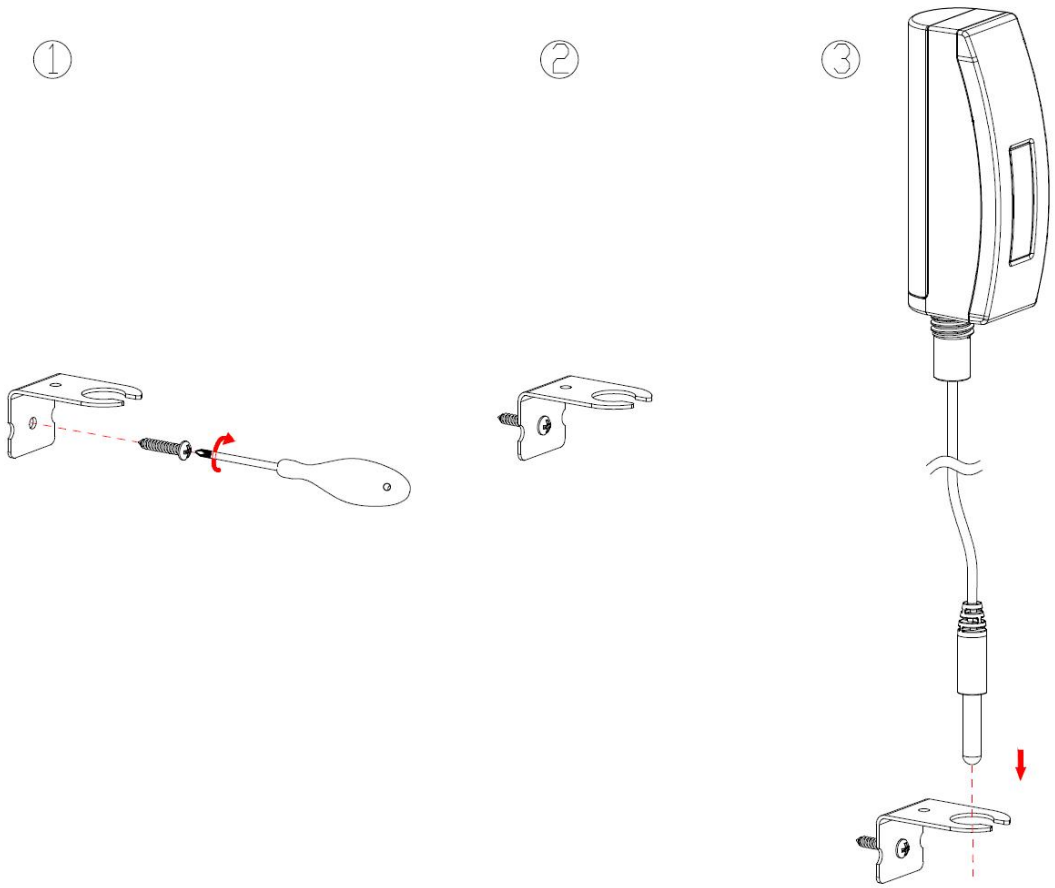


Figure 3-1: Sensor mounting

Fix the sensor to the bracket with the Hexagon M12 nut and tighten the screw as shown on figure 3-2: (hand turn the nut until firm, and

then use a wrench to turn 1/3 ~ 1/2 turn and no more. Do not over tighten.)

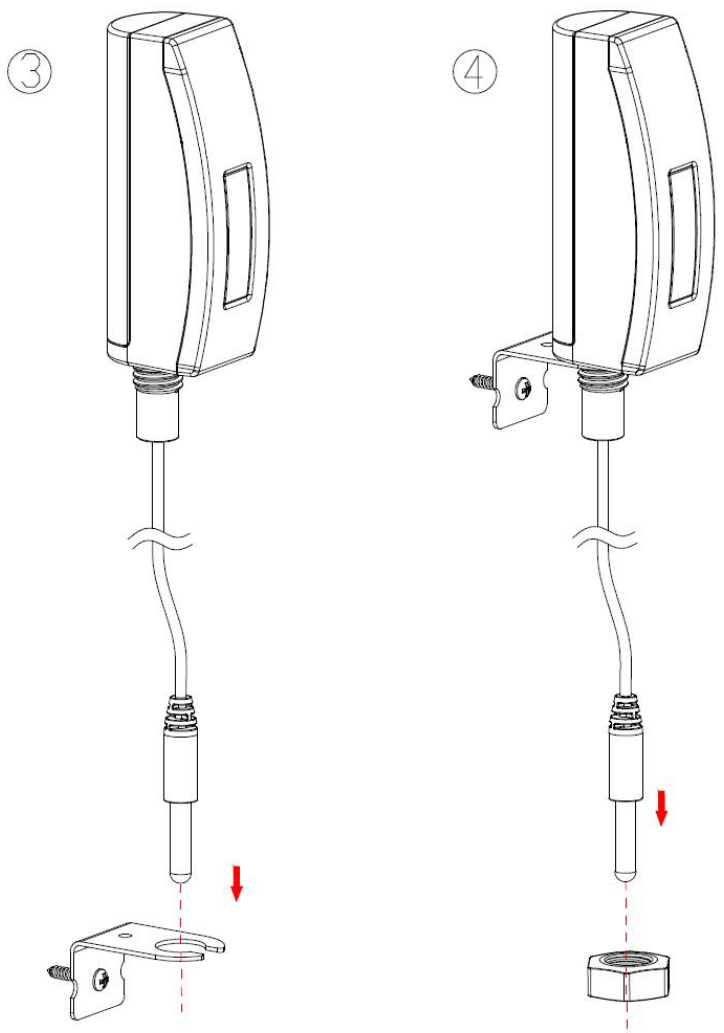


Figure 3-2: Sensor mounting

To mount the unit to a pole (not included) with the included hose clamp:

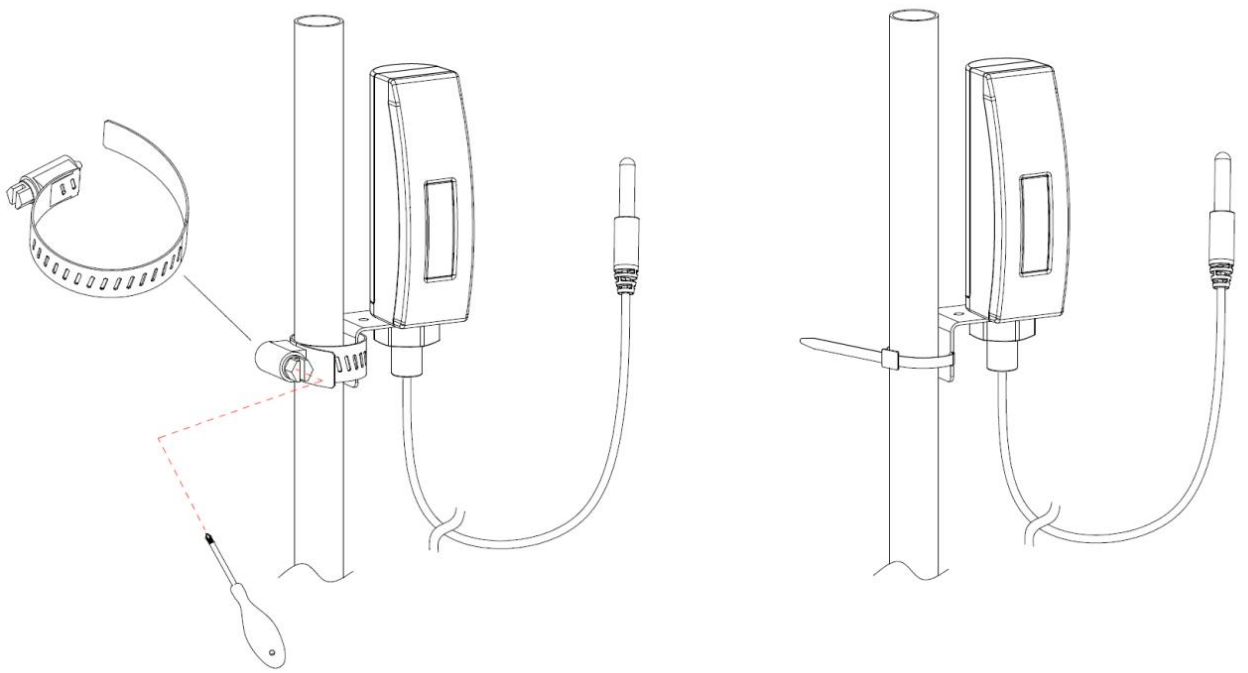


Figure 4: Sensor mounting to pole

Note: Please don't insert the sensor into corrosive liquids or hard rock to avoid any damage.

5. Wi-Fi Configuration with gateway

To view the sensor data on your mobile application and receive email alerts on our weather server, you need to pair this device

with our GW1100/GW2000 Wi-Fi Gateway or HP2551/HP3500/HP3501 Weather Station (each sold separately).

5.1 Pair with Gateway

If the GW1100/GW2000 has been in operation, and you have never had any WN34D sensor setup before, just power up the sensor and GW1100/GW2000 will pick the sensor data automatically.

Note: The gateway can support a maximum of 8 WN34D temperature sensors. Each new sensor will be recognized as a new channel according to the Power-on sequence. You may attach a label to the channel on each sensor for distinction. The channel name can be edited both on the app and ecowitt.net (The edited name on the app will not sync to the ecowitt.net website, and it should be edited on

your device setup page on ecowitt.net separately).

If you want to use a new WN34D sensor to replace the old one (already configured on certain channel), please try the following:

1. Open the Sensor ID page on the WSView Plus app, and find your old sensor ID.
2. Power off the old sensor and power on the new sensor.
3. Click Re-register on the Sensor ID page.

   Then the new sensor will be learned and the old sensor will be erased.

5.2 Wi-Fi Connection for the Gateway

For this part, please refer to the manual of the GW1100/GW2000 Wi-Fi gateway.
If you have any questions, please contact the customer service at support@ecowitt.com or

support.eu@ecowitt.net (EU/UK).

6. View Online Data with WSView Plus

When the Wi-Fi configuration is done (to tell the gateway to be hooked to your Wi-Fi network), your sensor data as well as the sensor battery voltage information will be displayed on WSView Plus App at the Live Data page.

Note: It requires your phone and the gateway must be in the same network when viewing your sensor live data on the WSView Plus app. Live data refers to current data received by the gateway and is not stored on WSView Plus app. However data is always pushed and saved

on www.ecowitt.net cloud (under your registered account, and it can always be accessed via your browser).
Detailed operation instructions can be found in the GW1100/GW2000 manual.
For any questions, please feel free to contact our customer service at support@ecowitt.com or support.eu@ecowitt.net (EU/UK).

7. Set Email Alerts

Once your device is added successfully on the Ecowitt Weather server, you may set alerts for the sensor on the website to get email notifications.

8. Specification

Power:	1x1.5V AA battery (not included)
Sensor type:	Epoxy Sealed Thermistor of NTC

Frequency:	433/ 868/ 915MHz depending on location (North American: 915MHz; Europe: 868MHz; Other areas: 433MHz)
Dimensions:	81.5 x 36.2 x 25.3mm
Probe Sensor:	1000 x 4.8mm
Screen Size:	32 x 9.8mm
Weight:	92g
Material of Plastic Housing:	ABS
Material of Screen:	TN-LCD
Wireless Transmitting Range:	100M (300feet)
Sensor reporting Interval:	77 seconds
Temperature Measurement Range:	-55°C ~ 125 °C(-67°F ~ 257 °F)
Accuracy of Temperature Measurement:	±0.5°C (-10°C ~ 85°C), ±2°C (-55°C ~ -10°C & 85°C ~

	125°C). ±0.9°F (14°F ~ 185°F), ±3.6°F (-67°F ~ 14°F & 185°F to 257°F).
Resolution of Temperature Measurement:	0.1°C (0.2°F)
Reading Update Interval:	About 1 minute
Operating Temperature Range of LCD Screen:	-10°C to 50°C (14°F to 122°F)
Operating Temperature Range of the Plastic Housing:	-40°C to 60°C (-40°F to 140°F)
Operating Temperature Range of the Probe Sensor:	-55°C to 125°C (-67°F to 257°F)

Waterproof Level: IP66

9. Warranty Information

We disclaim any responsibility for any technical error or printing error, or the consequences thereof.

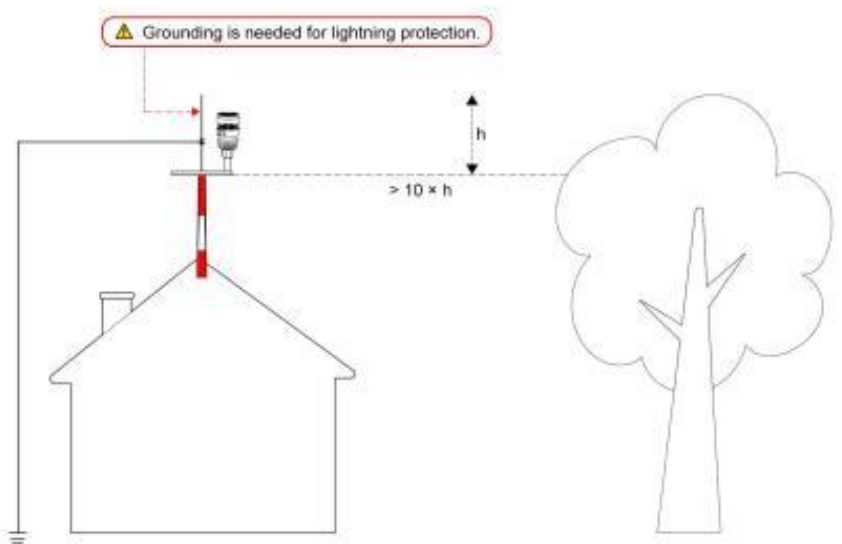
All trademarks and patents are recognized.

We provide a 1-year limited warranty on this product against manufacturing defects, or defects in materials and workmanship.

This limited warranty begins on the original date of purchase, is valid only on products purchased, and only to the original purchaser of this product. To receive warranty service, the purchaser must contact us for problem determination and service procedures.

This limited warranty covers only actual defects within the product itself and does not

cover the cost of installation or removal from a fixed installation, normal set-up or adjustments, or claims based on misrepresentation by the seller, or performance variations resulting from installation-related circumstances.



Note: Sensor damage, due to lack of grounding protection against lightning ESD discharge, is not covered by warranty.