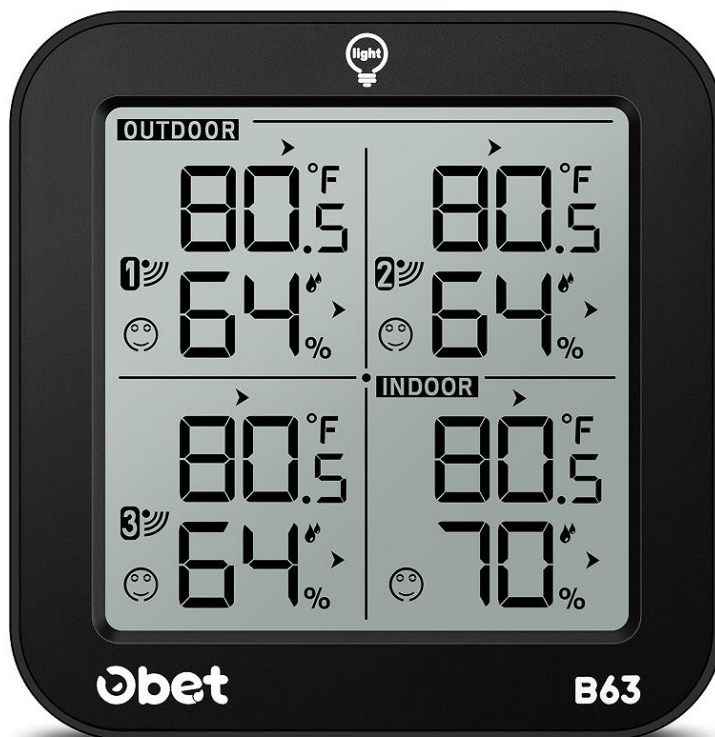# Obet

Digital Wireless Thermometer

OPERATING INSTRUCTION

Base unit: B63

Wireless sensor: BTX3

If you want to know about our features or support solutions, please let us know! We really hope that owning an Obet product is not only a practical experience, but also a pleasure.

Please email us at: **obet_us@hotmail.com**

Catalogue

Package included

• Wireless Thermometer x 1

• Wireless sensor x 3

• USB cable for base unit x 1

• Operating instructions

Technical data

Base unit

Model: B63

Power consumption: 5.0V ▬▬ 500 mA

Power supply: 3 x LR03 (AAA) / 1.5 V (not included)

Temperature measuring range: 14.2°F ~ 122°F (-9.9°C~ 50°C)

Temperature measuring accuracy: 32 ~ 104°F: +/-1.8°F, other +/-3.6°F

Resolution: 0.1°F

Humidity measuring range: 20 % to 95 % relative humidity

Humidity measuring accuracy: +/- 5 % with a measuring range of 40% to 80%, +/-8% with measuring range of 20% to 39% and 81% to 95%

Resolution: 1 %

Temperature and humidity data detection and sending period: every 30 seconds

Wireless sensor

Model: BTX3

Batteries: 6 x LR6 (AA) 1.5 V (not included)

Temperature measuring range: - 50°F to 158°F (-45°C~ 70°C)

Temperature measuring accuracy: 32 ~ 104°F: +/-1.8°F, other +/-3.6°F

Protection type: IPX4: Protection against splash water from all directions

Transmission frequency: 433 MHz

Range: max. 500 ft (150 meters) (in open area)

Temperature and humidity data detection and sending period:

CH1: every 31 seconds; CH2: every 32 seconds; CH3: every 33 seconds

USB cable

Power consumption: 5.0V ⎓ 500mA

Power cable: Length: 4.9Ft

Note: With the continuous development and improvement of our products, the design and technology may be changed.

Product functions

Wireless thermometer

• LCD display

• Indoor and outdoor temperature display in °C/°F

• Indoor and outdoor humidity display

• Outdoor temperature display in °C/°F with three wireless sensors at different measurement sites

• Minimum/maximum display for temperature and humidity

• Humidity and temperature trend display

• Low battery indicator

• Battery or USB operated

• Comfort indicator

Wireless sensor

• Range of up to 500 ft (150 meters) (in open area)

• Low battery indicator

• Wall mounting bracket

• Loop for hanging

Warning:

Sensor waterproof rating is IPX4. But it is recommended that you cover it in the shadow to protect it from long-term exposure to rain and sun, to make it more accurate and give better performance.

Overview of weather thermometer
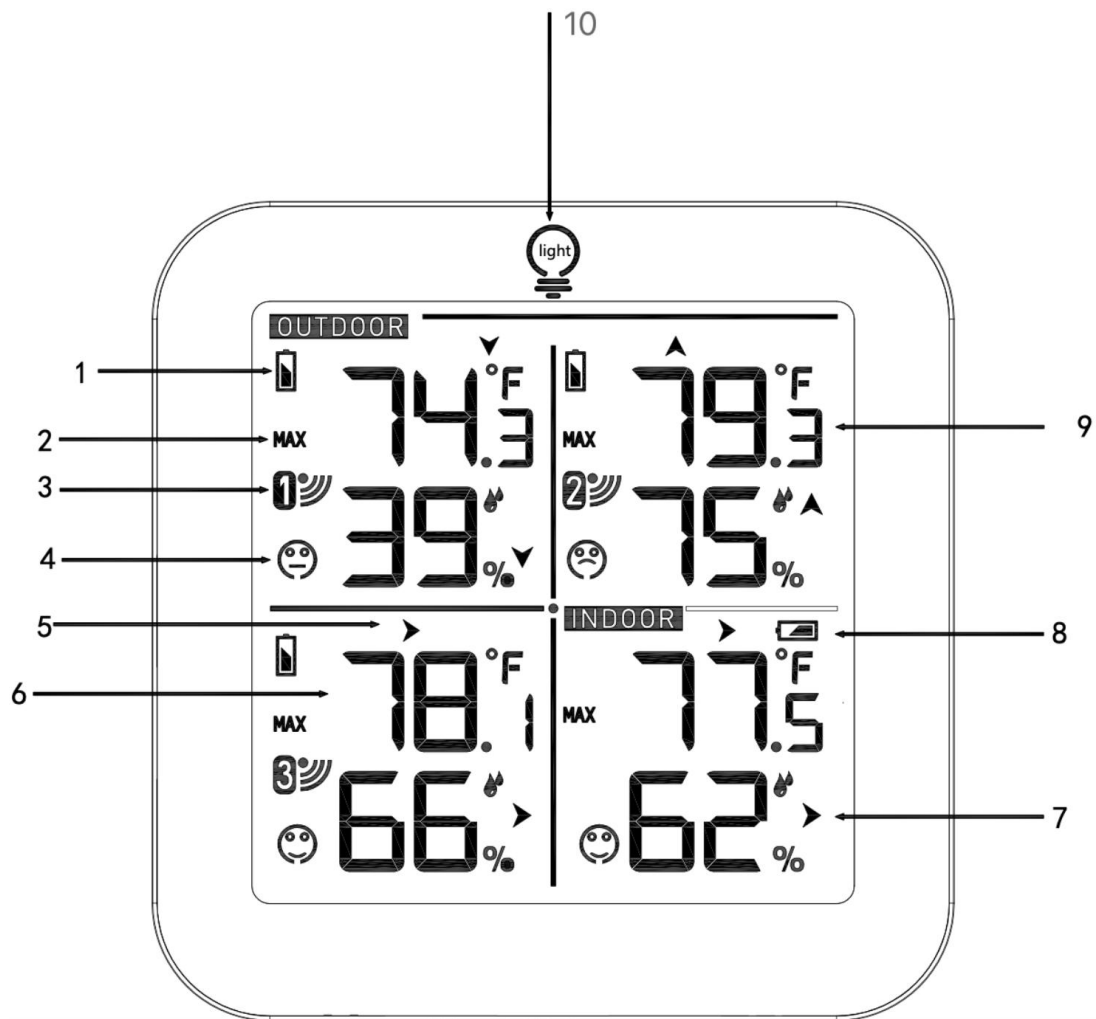
1/8. Low battery indicator for indoor outdoor

2. MAX / MIN temperature/humidity records

3. Current channel of outdoor sensor

4. Comfort indicator

5/7. Temperature humidity trend

6. Outdoor temperature humidity

9. Temperature display in °C/°F

10. Adjustable backlight

Operating elements and parts of the weather thermometer and wireless sensor
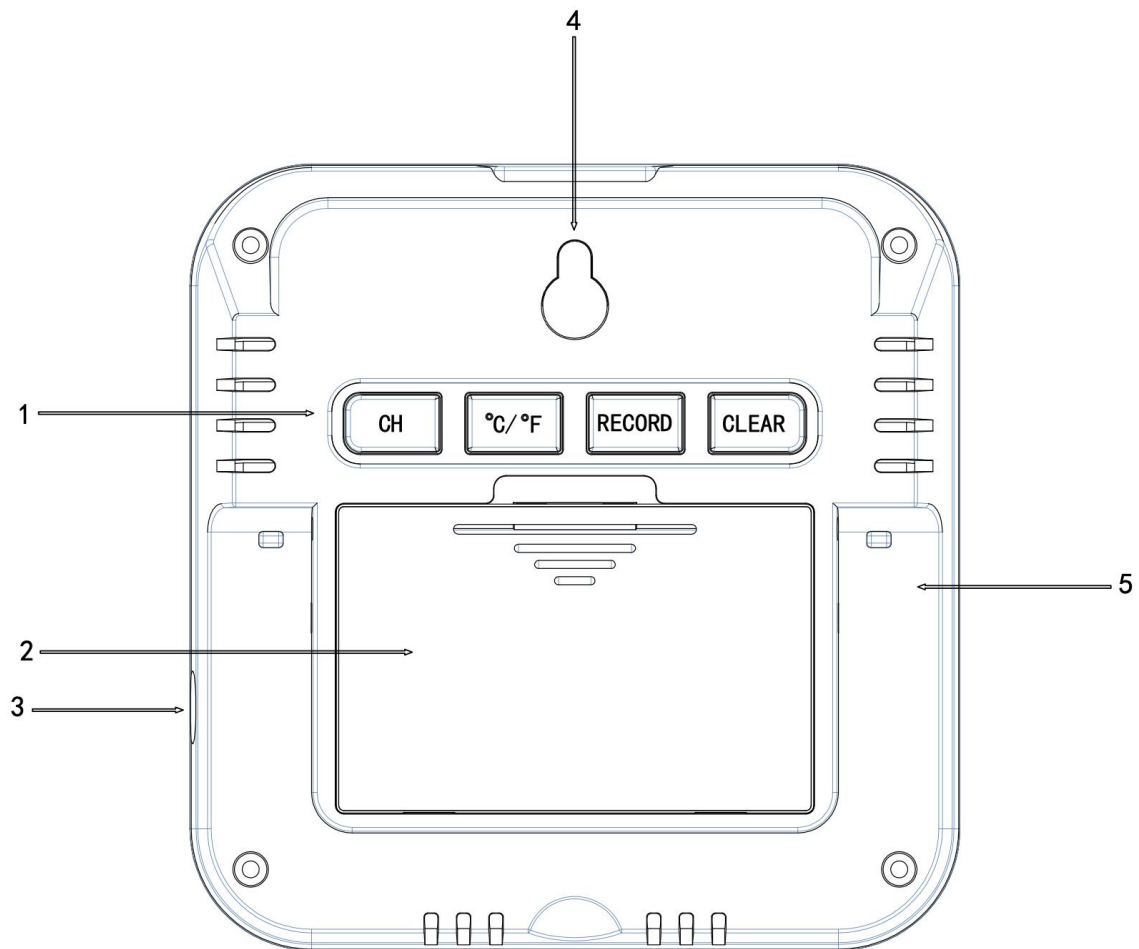
01	Operating buttons
	Button **CH** * Display weather data from various wireless sensors (channel 1.2.3) * Long press to reconnect wireless sensor connection
	Button **°C/°F** * Fahrenheit/Celsius
	Button **RECORD** * Display stored MAX and MIN temperature and humidity values
	Button **CLEAR** * Clear and re-record

	Button 💡 (**LIGHT)**	
	* Illumination backlight	
02	Battery compartment	
03	Adapter port	
04	Loop for hanging	
05	Foldable stand	
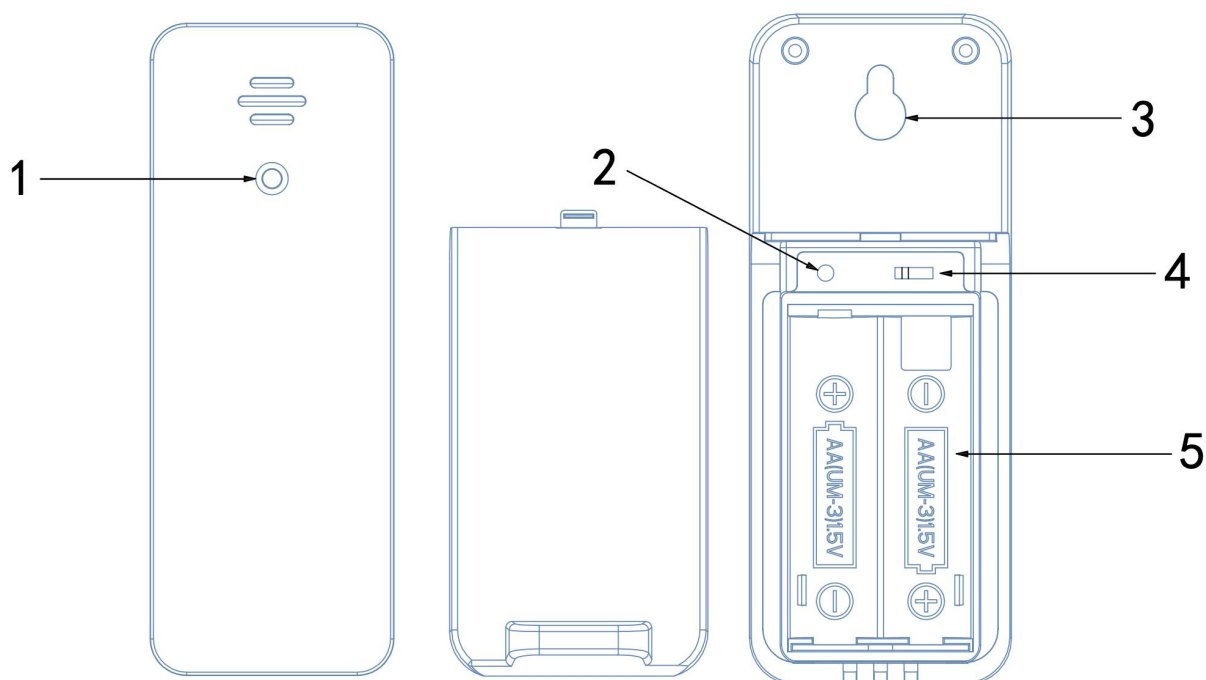
1	Red pilot light (Lights up for 1 second only when transmitting data)
2	TX button
3	Loop for hanging
4	Sliding switch 1 2 3: Set sensor number (transmission channel)
5	Battery compartment

Note:

If you are going to use the wireless sensor included in the package, there is no need to change the transmission channel inside the outdoor sensor.

We have preset 3 transmission channels for you and made corresponding identification.

Changing the transmission channel is only necessary when you are going to add or replace wireless outdoor sensor. See " How to add extra sensors " on Page 10.

How to set up

Insert batteries (not included)

1. Insert 2x AA batteries into your wireless sensor. Pay attention to the correct polarity. While the sensor is transmitting, the red LED indicator will flash.

2. Open the battery compartment of the weather station and insert 3xAAA batteries in the correct polarity. Close the battery compartment.
 (Note: The screen will turn off after 10s and you will need to touch button to activate it.)

3.Plug into the USB cord, which will keep the backlight on and adjust 3 kinds of brightness(high-middle-low).

Pairing the outdoor sensor with the station

Once the wireless thermometer is turned on (plug in or insert batteries), it will start receiving the pairing RF signals from the outdoor sensor with the same channel for **3** minutes. You can press the **CH** button on the base unit to match the correct outdoor sensor.

Generally, the outdoor sensor will connect with the base unit automatically. If it failed, please follow below steps to set:

• Make sure you set different channels for the sensor(1-3).

• Press the **CH** button once to adjust to the corresponding channel, and then long press the **CH** button on the base unit to search signal from the outdoor sensor.

• The sensor receiving icon will flash when searching for the signal.

• After the sensor is connected, the icon will become stable.

• Your weather station will search for the signal each 3 minutes every hour automatically until it is connected.

Other functions

Switch temperature unit °C/°F

Press the **°C/°F** button to switch the temperature unit: °C/°F.

Backlight (HI-MID-LOW)

• When the base unit is powered by USB cable, the backlight is adjustable: HI-MID-LOW.

• You can press the 💡 (LIGHT) button to adjust backlight.

Note: When the station is operated by batteries only, the backlight will turn off after 10s and by pressing the 💡 (LIGHT) button to activate it again.

Low battery indicator

• When there is a low battery symbol 🔋 near Outdoor Temperature, you should replace batteries of the wireless sensor.

• When there is a low battery symbol 🔋 near Indoor Temperature, you should replace batteries of the weather station.

When there is no low battery indicator, the product works well.

Daily MAX/MIN data

All MAX / MIN temperature/humidity records will reset automatically every 24h.

From normal display, press and release the RECORD button to view:

• press x 1: MAX-- indoor and outdoor temperature/ humidity records.

• press x 2: MIN-- indoor and outdoor temperature/ humidity records.

• press x 3: back to normal display.

Note: Press the CLEAR button to delete the highest and lowest temperature and humidity values since starts.

Comfort indicator

It depends on the humidity and indicates the comfort degree a person would feel.

	DRY 😐	COMFORT 🙂	WET 🙁
Humidity range	< 40%	40% ~ 70%	>70%

Trend

For the temperature and humidity values measured by the wireless sensor, the trend is displayed by an arrow:

Trend	rising	constant	falling
Temperature	▲	➤	⌄
Humidity	▲	➤	⌄

How to add extra sensors

The weather thermometer comes with 3 wireless sensors. Additional wireless sensors are available in our Amazon online shop.

Sliding switch 1 2 3: Set sensor number (transmission channel)
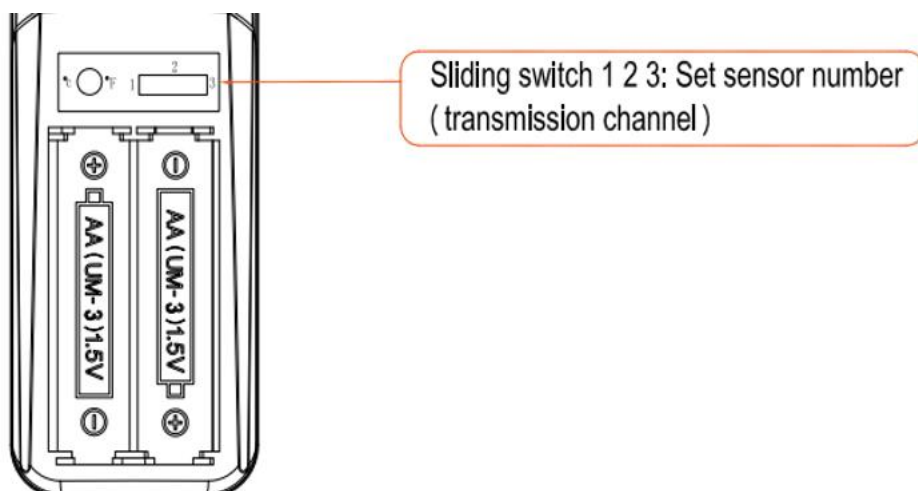
Note:
You need to set different channels for the sensor (1-3). You can set it through pull the stick on near the batteries.

Under the corresponding channel displayed on the base unit, press and hold the **CH** button until the signal icon starts to flash to receive the signal from the newly added sensor.

Where the sensor should be placed

1. Sensor can be hung/placed.
2. Better place it **under the porch and eaves.**
3. The maximum range of the sensor can reach 500ft in an open area.
4. Make sure that the sensor is vertical so that moisture can be drained correctly.

Note：

• Shielding building materials such as reinforced concrete reduce or prevent the radio reception between the base station and wireless sensor.
• Devices such as televisions, cordless phones, computers and fluorescent tubes can also interfere with the wireless reception.
• Do not place the base unit and wireless sensors directly on the floor. This restricts the range.
• In low temperatures in winter the battery performance of the wireless sensors can be significantly reduced. This reduces the transmitter range.

Where the weather thermometer should be placed

• Pull out the stand and place on a flat surface.
• Or use the hanging holes on the back to mount on a wall.
• Choose a location 6 feet or more away from electronics such as cordless phones, gaming systems, televisions, microwaves, routers, etc.
• Place within range of the outdoor sensors (500 ft, 150m open air).
• Obstacles such as walls, windows, stucco, concrete, and large metal objects can reduce the range.

Resetting the weather thermometer

If the base station appears to display incorrect values, you should reset the weather thermometer to the factory settings.
a. Take the batteries out of the outdoor sensor.
b. Shut off the main weather thermometer (take out batteries or unplug the power cord).
c. Put batteries back in the outdoor sensor.
d. Power on the main weather thermometer (put batteries in or plug the power cord).
e. Put them together within a couple feet for about 20 minutes for a strong connection.

Care and maintenance

• Do not mix old and new batteries.

• Do not mix Alkaline, Standard, Lithium, or Rechargeable Batteries.

• Always purchase the correct size and grade of battery most suitable for intended use.

• Replace all batteries of a set at the same time.

• Clean the battery contacts and also those of the device prior to battery installation.

• Ensure the batteries are installed with correct polarity (+ and -).

• Remove batteries from equipment when it is not used for an extended period of time.

• Promptly remove expired batteries.

Safety

Read the following advice carefully and store these operating instructions in case you want to reread something later. If you give the item to someone else, give them these operating instructions as well.

• This device may be used by children over 8 years of age and over, as well as by persons with reduced physical, sensory or mental abilities, or lack of experience and / or knowledge if they are supervised or instructed regarding the safe use of the equipment and have understood the resulting hazards.

• Keep the device away from children under the age of 8.

• Cleaning and user maintenance may not be carried out by children unless they are supervised.

• Children must be supervised to make sure that they do not play with the device.

• The device must not be immersed in water or other liquids. Electric shock hazard! Do not use the device in areas where it may be wet, such as a sink.

Danger from electricity (when using the USB cable)

• Connect the device to a properly installed power socket with a voltage that corresponds to the Technical Data.

• Ensure that the socket is easily accessible, so that you can quickly remove the switching adapter if necessary.

• Do not use the wireless station if the switching adapter or power cable is damaged.

• Do not cover the switching adapter with curtains, newspapers, etc. and ensure that it is sufficiently ventilated. The switching adapter can become hot.

• Uncoil the switching cable fully before connecting. Be careful not to damage the cable with sharp edges or hot objects.

• Remove the switching adapter from the socket:

- before cleaning the wireless station,

- when a fault occurs during operation,

- during thunderstorms,

• Do not modify the items or the power cable. Only allow repairs to be carried out by a specialist workshop as improperly repaired devices endanger the user.

Unpacking and checking

1. Remove the device from the packaging, remove all protective films and keep the packaging materials out of the reach of children.

2. Dispose of the materials separately according to type.

3. Check that all the items that should be included in the delivery are present and whether the weather thermometer displays any damage.

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

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

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 and, 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:

• 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.

Disclaimers

Manufacturer reserves the right to change specifications of the product. Manufacturer and supplier are not responsible for malfunction where interference occurs.

Trouble shooting

Problem	Possible Solution
Outdoor temperature is showing dashes

Replace battery | Dashes is generally an indication of wireless interference.
a. Shut off the weather thermometer (take out batteries or unplug the power cord).
b. Take the batteries out of the outdoor sensor.
c. Power on the weather thermometer (put batteries in or plug the power cord).
d. Put batteries back in the outdoor sensor.
e. Put them together within a couple feet for about 20 minutes for a strong connection. |
| Display screen not working | Check the battery polarity or battery level. |

Accuracy of temperature and humidity	1. When unpacking for the first time, the weather thermometer and sensor are sealed for a long time, and it takes 1-2 hours to balance with the current ambient temperature.
	2. Keep away from heat.
	3. When comparing with other thermometers, it should be placed in the same position and allowed to stand for 1-2 hours. This is very important.
Inaccurate temperature or humidity	To ensure accurate temperature measurement, place units out of direct sunlight and away from any heat sources or vents.

Warranty and support

Obet Technology, Ltd. provides a 1-year limited time warranty (from date of purchase) on this product relating to manufacturing defects in materials & workmanship.

Before returning a product, please contact our friendly customer support with questions:

Obet_us@hotmail.com