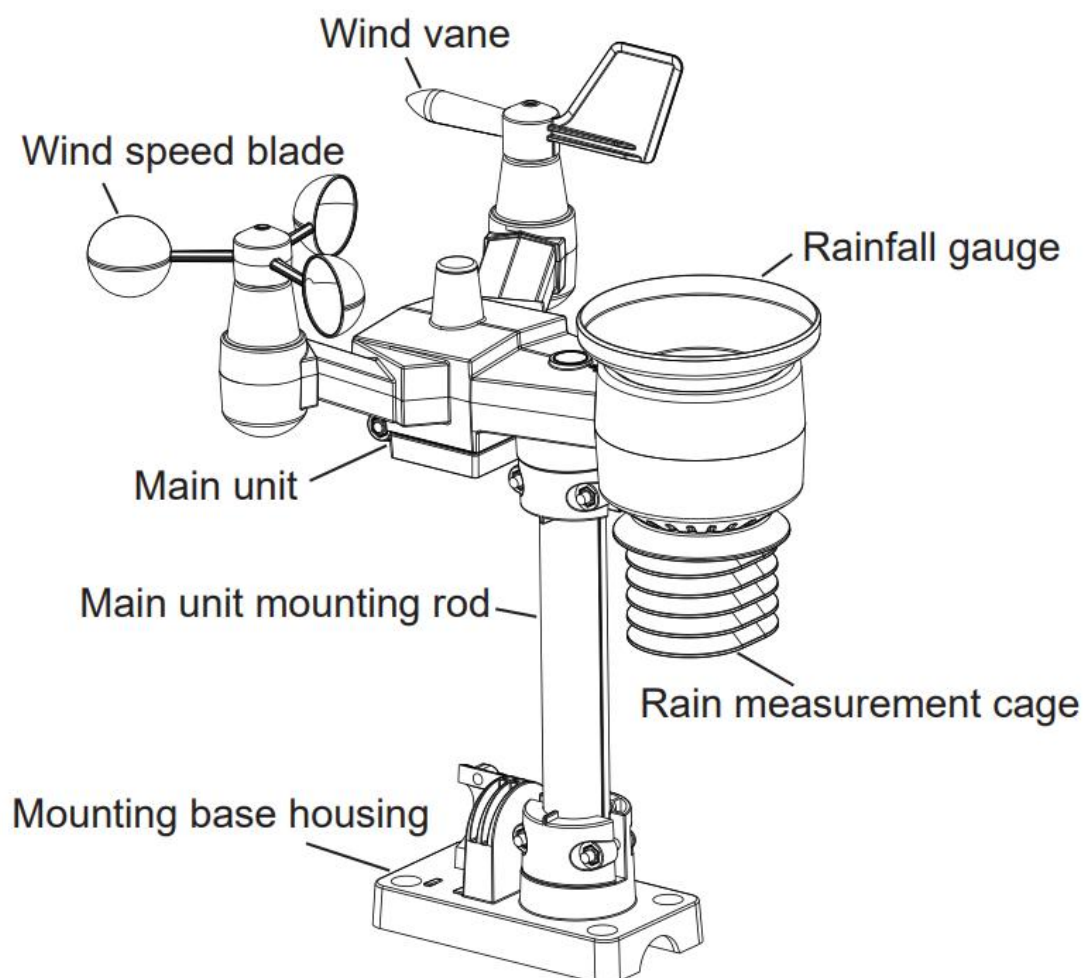




Main features

Temperature, detection accuracy 0.1℃, detection range -40℃ to 70℃, detection time 30 seconds

Humidity, detection accuracy 1%, detection range 0%-99%, detection time 30 seconds

Wind speed detection function

Wind direction detection function

Rainfall detection function

Low voltage indication function :(3.6V

There is an LED indicator at launch.

RF-ASK(433MHz) transmission mode.

The launch synchronization time CH1=67

Power supply voltage: 3.5-4.8V

Item	Unit	Min	typical value	Max
1. Supply voltage	V	3.5	4.5	4.8
2. Standby current	uA	---	15	40
3. RF transmit current	mA	---	---	38
4. Low battery	V	3.4	3.5	3.6
5. Wind speed + wind direction + rainfall detection current	uA	---	---	120
6. Remote frequency	MHz	--	433MHZ	---
[Transmitting power measured 30 cm from the reference antenna (V=3.0V)]	dBm	-35	---	---
7. Min remote operating distance (V=3.0)	Meters	150	---	---
8. Temperature measuring range	°C	-40	---	+60
	°F	-40	---	+140
9. Temperature resolution	°C	---	0.1	---
10. Temperature accuracy a .0°C ~ 50°C b.other range	°C	-1	---	+1
	°C	-2	---	+2
12. Humidity measurement range Outdoor Sensor: (Humidity range)	%	0	---	99
13. Humidity resolution	%	---	1	---
14. Accuracy of humidity a .30% ~80% b. 0% -39%~81%-99%	%	-5	---	+5
		-8	---	+8
15. Battery life	Month	---	12	---

RF Test Mode:

When the motherboard TEST points are welded together, it will enter the RF test mode. In this mode, the transmission frequency will be once per 2 seconds, and the transmission time will be 1 second.

The temperature/humidity detection time is 1 second. At the same time, there is an LED indication. When the receiver successfully receives the signal, there will be a "BI" sound. The TEST mode will disconnect the test connection point and reconnect it

Exit after the power is turned on.

5.1 Transmission Data

The transmission mode is ASK 433MHz;

After startup, the current new data is emitted. Before transmitting the data, the temperature and humidity will be tested. When transmitting, the LED light will be on to update the temperature and humidity content.

Wind Speed/Rainfall/Wind Direction Operations:

1. In the standard mode of the host, simply press the "RAINFL" key to switch the display to: Today, Yesterday, Total;

When the main unit displays the rainfall value, long press the "RAINFL" key to clear the current rainfall to zero (for example: the current rainfall displayed as Yesterday is 10.00MM, long press the "RAINFL" key to display it as 0.00MM, while the rainfall values of Today and Total remain unchanged).

3. The wind speed and direction of the main unit are displayed as real-time values and updated each time they are received

4. Conversion of units for wind speed and rainfall on the main unit, with reference to the time setting mode

5. The maximum rainfall recorded by the main unit is 999.9MM and 99.99 inches. Once the maximum value is reached, the display flashes and must be manually cleared to update the data again. The single rainfall count is 0.32mm.

6. The automatic clearing time of the Today rainfall value on the host is modified to: for example, it will be reset to zero at 9:00 a.m. on March 16th before March 15th

7. The automatic clearing time of the Yesterday rainfall value on the host is modified to: for example, it will be reset to zero at 9:00 a.m. on March 14th after March 15th

Test the working mode:

Before turning on the machine, please press the emission button for more than 2 seconds to discharge and then power on.

After startup or power-on, it detects temperature/humidity/low voltage and then transmits the current data such as temperature/humidity/rainfall/wind speed, etc. At the same time The LED flashes once, then enters the normal mode. Before each synchronization cycle arrives, it detects the temperature/humidity and emits data once.

Installation Matters:

When installing, the product should be 0.5 to 1 meter above the ground. This is conducive to more accurate RF receiving distance, temperature and rainfall.

When installing the rain hopper, please note that there is a clamping position on each of

the upper and lower shells. During installation, make sure to align the clamping positions accurately.

Rainfall error value :± 10% for <15mm/hr, ±7% for > 15mm to 56mm

Wind speed error values: <10 KMH, +/-1; >10 KMH, +/- 10%

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.

Any Changes or modifications 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

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