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YuqiaoTime 0360-025T

YuqiaoTime 0360-025T WiFi 7-in-1 Professional Weather Station

User Instruction Manual

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1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your YuqiaoTime 0360-025T WiFi 7-in-1 Professional Weather Station. This device is designed to monitor various environmental parameters including indoor/outdoor temperature and humidity, barometric pressure, dew point, wind chill, wind speed, wind direction, weather forecast, moon phase, solar power, rainfall data, UV index, light meter, and solar radiation. It features a wireless color console and supports data upload to online weather services like Weather Underground and WeatherCloud.

2. SETUP

2.1 Unpacking and Component Check

Carefully unpack all components and verify that all items are present. Refer to the table below for a complete list of included parts.

QTY	Item	Image
	Display Console	

QTY 1	Item Frame Dimensions: 6.5"x5.32"x0.71" (165x135x18mm) LCD Dimensions: 5.12"x3.16" (130x80mm)
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Image

Light Intensity UVI
 Barometric Pressure
 Outdoor Temp. Humidity
 Wind Speed Direction
 Moon Phase
 Indoor Temp. Humidity
 Rainfall Rain Rate
 Sunrise Sunset times
 Dew Point Feels Like
 24H/48H Forecast
 SYNC Day/Date/Time
 Indoor Dew Point

QTY 1	Item Integrated Outdoor Transmitter Dimensions: 15x7.1x11 inches (380x180x280mm)
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① Wind Speed Anemometer
 ② Bubble Level
 ③ Rain Gauge
 ④ Thermo-Hygrometer Radiation Shield
 ⑤ Solar Panel
 ⑥ Wind Vane
 ⑦ UV & Light Sensor

← Mounting pole not included

QTY 1	Item Wind Vane Dimensions: 6.7x1.6x2 inches (170x40x50mm)
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1	Rain Funnel Dimensions: 4.7x2.8inch (Φ120x70mm)	
4	Washer(Metal gasket)	
4	Pole Mounting U-bolt Nuts (M5)	

QTY	Item	Image
1	L-shaped Stainless Steel base Dimensions: 3x1.6x0.6inch (75x40x15mm)	
1	Wrench (M5) Dimensions: 2.6x0.8x0.08inch (65x20x2mm)	
1	Screwdriver (M3) Dimensions: 0.4x3.5inch (Φ10x90mm)	
2	Wind Vane and wind Cup mounting screws (Ø3) Dimensions: M2*6mm(0.23inch)	
2	Wind Vane and wind Cup Waterproof rubber plug Dimensions: 0.16x0.12inch (Φ4 x 3mm)	
1	Manual	
1	Power Adapter	

QTY	Item	Image
	U-Bolt (M5) Dimensions: 2.4x2.4x0.2inch (60x60x5mm)	

1	Wind Speed Anemometer Dimensions: 5.1x5.1x6 inches (130x130x40mm)
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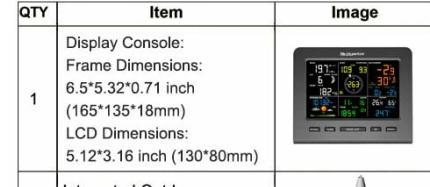
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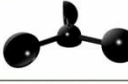





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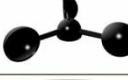




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2.2 Outdoor Sensor Assembly

Assemble the wind vane and wind cups onto the integrated outdoor transmitter. Ensure all components are securely fastened. Refer to the diagram and video for visual guidance.



Figure 1: Integrated Outdoor Sensor Components.

The outdoor sensor includes a wind speed anemometer, bubble level, rain gauge, thermo-hygrometer radiation shield, solar panel, wind vane, and UV & light sensor. A mounting pole is not included.

Your browser does not support the video tag.

Video 1: Assembly and Battery Installation for the Outdoor Sensor. This video demonstrates how to install batteries and assemble the wind vane and wind cups onto the outdoor sensor unit.

2.3 Battery Installation

Outdoor Sensor: Install 3x AA 1.5V Alkaline batteries (not included) into the outdoor sensor's battery compartment. Ensure correct polarity. The outdoor sensor also features a built-in solar panel for power, extending battery life up to 1 year. Refer to Video 1 for visual instructions on battery installation.

Display Console: The display console requires a 5V DC adapter (included) for continuous power. It also requires 3x AA 1.5V Alkaline batteries (not included) for backup power. Install these batteries into the compartment on the back of the console. One LR41 battery is included for internal clock/memory backup.

Specifications of Outdoor Sensor

Transmission Distance	100m / 328ft in open field	Rain Volume Range	0 – 9999 mm, or 0 – 199.99 in
RF Frequency	915 MHz (The products sold on Amazon.com and Amazon.ca are 915 Mhz.)	Rain Volume Accuracy	± 10%
Temperature Range	-40°C — 60°C (-40°F — 140°F)	Rain Volume Resolution	0.3mm (for volume < 1000 mm); 1mm (for volume ≥ 1000 mm). Or 0.01in (for volume < 100 in); 1mm (for volume ≥ 100 in)
Temperature Accuracy	± 1°C, or ± 2°F	Wind Speed Range	0 – 50 m/s (0 ~ 100 mph)
Temperature Resolution	0.1°C, or 0.1°F	Wind Speed Accuracy	±1 m/s (speed < 5 m/s); ±10% (speed ≥ 5 m/s). Or ± 0.1mph (speed < 11 mph); ±10% (speed ≥ 11 mph)
Humidity Range	10% ~ 99%	UV-Index Range	0 - 15
Humidity Accuracy	± 5%	Light Range & Accuracy	0 – 120 kLux (± 15%)
Humidity Resolution	1%	Sensor Reporting Interval	16 seconds

Specifications of Indoor Sensor

Temperature Range	0°C – 50°C (32°F - 122°F)	Barometric Pressure Range	300 – 1100 hPa (8.85 – 32.5 inHg)
Temperature Resolution	0.1°C, or 0.1°F	Barometric Pressure Accuracy	± 3 hPa in 700 – 1100 hPa range
Humidity Range	10% ~ 99%	Barometric Pressure Resolution	0.1 hPa (0.01 inHg)
Humidity Resolution	1%	Sensor Reporting Interval	48 seconds

Power Specification

Base Station/Console	5V DC Adapter (Included)
Base Station/Console	3 x AA 1.5V LR6 Alkaline (NOT Included)
Outdoor Sensor	Solar panel (built-in)
Outdoor Sensor (Backup)	2 x AA 1.5V LR6 Alkaline (NOT Included), or 2 x AA 1.5V Lithium battery (NOT Included)

Figure 2: Display Console Rear View with Battery Compartment.

The display console's rear panel shows the battery compartment for backup power and the power adapter input. It also has a keyhole for wall mounting.

2.4 Mounting the Outdoor Sensor

Mount the integrated outdoor sensor in an open area, free from obstructions, to ensure accurate readings for wind, rain, and sunlight. The sensor wirelessly connects to the display console from up to 330 feet (100 meters). Use the provided U-bolts, nuts, and L-shaped base to secure it to a pole (not included).

DISPLAY CONSOLE WIRELESSLY CONNECTS

Sensor from to
330ft (100M)



3*AA Battery keeps outdoor unit operation and built-in solar panel provides battery life up to 1 years.

CONNECTS IN THE CLOUD

Select **Weather Underground** or **WeatherCloud** your favorite weather server then use their app to view and analyze data from your sensor (and others!). Available on web and mobile.



Figure 3: Outdoor Sensor Mounting Example.

This image illustrates the outdoor sensor mounted on a pole, demonstrating its wireless connectivity range and solar power capabilities.

3. OPERATION

3.1 Display Console Overview

The full-color LCD display console provides a comprehensive overview of current and historical weather data. It features touch buttons for easy navigation and settings adjustment.

WHAT'S ON THE SCREEN?



- | | | | |
|---------------------------|--------------------------|-------------------------|-----------------------|
| Light Intensity
UVI | Wind Speed
Direction | Rainfall
Rain Rate | 24H/48H
Forecast |
| Barometric
Pressure | Moon Phase | Sunrise
Sunset times | SYNC
Day/Date/Time |
| Outdoor Temp.
Humidity | Indoor Temp.
Humidity | Dew Point
Feels Like | Indoor Dew Point |

Figure 4: Display Console Screen Details.

The display shows current weather conditions, including sun intensity, UV index, moon phase, wind speed and direction, outdoor and indoor temperature and humidity, barometric pressure, rain rate, date, and time.

At-a-Glance Forecast 24H to 48H



Sunny



Partly Coludy



Cloudy



Rainy and stormy



- Weather forecast based on barometer reading.
- Selectable display units for each sensor: C or F (temperature); mph, km/h m/s, knots or Beaufort (wind speed); inHg, hPa or mmHg (pressure); in or mm (rainfall); lux, fc.
- Backlight high/low adjustable when connected to power adapter.

Figure 5: Display Console Features and Forecast.

This image highlights the 24-48 hour weather forecast based on barometric readings and the ability to select display units for various sensors (e.g., °C/°F for temperature, mph/km/h for wind speed).

3.2 Initial Power-Up and Sensor Synchronization

1. Connect the display console to power using the DC adapter.
2. Ensure batteries are installed in the outdoor sensor.
3. The console will automatically search for and synchronize with the outdoor sensor. This process may take a few minutes.
4. Once synchronized, outdoor data will appear on the display.

3.3 Wi-Fi Connection and Data Upload

The weather station supports Wi-Fi connectivity to upload real-time weather data to online platforms such as www.wunderground.com or www.weathercloud.net. Follow the instructions in the full manual (not provided here) to configure your Wi-Fi settings and link your station to these services. This allows for remote monitoring via web or mobile applications.



Figure 6: Cloud Connectivity for Remote Monitoring.

The weather station can upload data to online platforms like Weather Underground and WeatherCloud, allowing users to view and analyze data from their sensor via web or mobile applications.

3.4 Setting Time, Date, and Units

Use the buttons on the display console (e.g., SET, MAX/MIN, ALARM, SNOOZE/LIGHT, CHANNEL/+) to adjust settings such as time, date, and measurement units (e.g., Celsius/Fahrenheit, mph/km/h, inHg/hPa/mmHg for pressure, inch/mm for rainfall, lux/fc for light). Refer to the full product manual for specific button functions and navigation.

4. MAINTENANCE

4.1 Cleaning

- **Outdoor Sensor:** Periodically clean the rain gauge funnel and wind cups to ensure accurate readings. Remove any debris, leaves, or insects. Use a soft, damp cloth.
- **Display Console:** Wipe the display and casing with a soft, dry cloth. Avoid abrasive cleaners or solvents.

4.2 Battery Replacement

- **Outdoor Sensor:** Replace the 3x AA Alkaline batteries annually or when the low power indicator appears on the console.

- **Display Console:** Replace the 3x AA Alkaline backup batteries when the low power indicator appears. The LR41 battery for memory backup typically lasts several years.

5. TROUBLESHOOTING

- **No Outdoor Data Displayed:**

- Ensure the outdoor sensor has fresh batteries and is powered on.
- Verify the outdoor sensor is within the 330ft (100m) wireless range of the console.
- Check for obstructions between the sensor and console that might interfere with the signal.
- Try re-synchronizing the sensor with the console (refer to the full manual for specific steps).

- **Incorrect Readings (Wind, Rain, Temperature):**

- Ensure the outdoor sensor is mounted correctly and free from obstructions.
- Clean the rain gauge and wind cups for any debris.
- Verify the sensor is not exposed to direct heat sources or reflective surfaces that could affect temperature readings.

- **Wi-Fi Connection Issues:**

- Ensure your Wi-Fi network is active and the console is within range.
- Double-check Wi-Fi password and network settings.
- Restart both your Wi-Fi router and the weather station console.
- Refer to the full manual for detailed Wi-Fi setup and troubleshooting steps.

6. SPECIFICATIONS

Detailed technical specifications for the YuqiaoTime 0360-025T Weather Station are provided below:

Outdoor Sensor Specifications	
Transmission Distance	100m / 328ft (open field)
RF Frequency	915 MHz
Temperature Range	-40°C ~ 60°C (-40°F ~ 140°F)
Temperature Accuracy	±1°C, or ±2°F
Temperature Resolution	0.1°C, or 0.1°F
Humidity Range	10% ~ 99%
Humidity Accuracy	±5%
Humidity Resolution	1%
Rain Volume Range	0 - 9999 mm, or 0 - 199.99 in
Rain Volume Accuracy	±10%
Rain Volume Resolution	0.3mm (for volume < 1000 mm); 1mm (for volume ≥ 1000 mm). Or 0.01in (for volume < 100 in); 1mm (for volume ≥ 100 in)

Outdoor Sensor Specifications	
Wind Speed Range	0 - 50 m/s (0 - 100 mph)
Wind Speed Accuracy	±1 m/s (speed < 5 m/s); ±10% (speed ≥ 5 m/s). Or ±0.1mph (speed < 11 mph); ±10% (speed ≥ 11 mph)
UV-Index Range	0 - 15
Light Range & Accuracy	0 - 120 kLux (± 15%)
Sensor Reporting Interval	16 seconds

Indoor Sensor Specifications	
Temperature Range	0°C ~ 50°C (32°F ~ 122°F)
Temperature Resolution	0.1°C, or 0.1°F
Humidity Range	10% ~ 99%
Humidity Resolution	1%
Barometric Pressure Range	300 - 1100 hPa (8.85 - 32.5 inHg)
Barometric Pressure Accuracy	±3 hPa in 700 - 1100 hPa range
Barometric Pressure Resolution	0.1 hPa (0.01 inHg)
Sensor Reporting Interval	48 seconds

Power Specifications	
Base Station/Console	5V DC Adapter (Included)
Base Station/Console (Backup)	3 x AA 1.5V LR6 Alkaline (NOT included)
Outdoor Sensor	Solar panel (built-in)
Outdoor Sensor (Backup)	2 x AA 1.5V LR6 Alkaline (NOT included), or 2 x AA 1.5V Lithium battery (NOT included)





QTY	Item	Image	QTY	Item	Image
1	Display Console: Frame Dimensions: 6.5*5.32*0.71 inch (165*135*18mm) LCD Dimensions: 5.12*3.16 inch (130*80mm)		1	L-shaped Stainless Steel base Dimensions: 3x1.6x0.6inch (75x40x15mm)	
1	Integrated Outdoor Transmitter Dimensions: 15x7.1x11inch (380x180x280mm)		1	Wrench (M5) Dimensions: 2.6x0.8x0.08inch (65x20x2mm)	
1	Wind Vane Dimensions:6.7x1.6x2inch (170x40 x 50mm)		1	Screwdriver (M3) Dimensions: 0.4x3.5inch (Φ10x90mm)	
1	Wind speed Dimensions: 5.1x 5.1x1.6inch (130x130x40mm)		2	Wind Vane and wind Cup mounting screws (Ø3) Dimensions: M2*6mm(0.23inch)	
1	Rain Funnel Dimensions:4.7x2.8inch (Φ120x70mm)		2	Wind Vane and wind Cup Waterproof rubber plug Dimensions: 0.16x0.12inch (Φ4 x 3mm)	
4	Washer(Metal gasket)		1	Manual	
4	Pole Mounting U-bolt Nuts (M5)		1	Power Adapter	
2	U-Bolt (M5) Dimensions: 2.4x2.4x0.2inch (60x60x5mm)				

Figure 7: Detailed Product Specifications.

This image provides a comprehensive table of technical specifications for both the outdoor and indoor sensors, as well as power requirements for the entire system.

7. WARRANTY AND SUPPORT

7.1 Warranty Information

The YuqiaoTime 0360-025T WiFi 7-in-1 Professional Weather Station typically comes with a manufacturer's warranty covering defects in materials and workmanship. Please refer to the warranty card included in your product packaging or contact the retailer for specific warranty terms and duration. Keep your purchase receipt as proof of purchase for warranty claims.

7.2 Customer Support

For technical assistance, troubleshooting, or inquiries regarding your weather station, please contact YuqiaoTime customer support. Contact information can usually be found on the product packaging, the official YuqiaoTime website, or through your retailer. When contacting support, please have your product model number (0360-025T) and purchase details ready.

