

HUIOP FJ3390A

HUIOP FJ3390A Multifunctional Professional Weather Station User Manual

Model: FJ3390A

1. INTRODUCTION

The HUIOP FJ3390A is a professional multifunctional weather station designed to provide comprehensive environmental data. It accurately monitors indoor and outdoor temperature, humidity, wind speed, wind direction, and rainfall, along with weather forecasting capabilities. This manual provides detailed instructions for setup, operation, and maintenance of your weather station.

Package Contents:

- 1 x Weather Station (Main Display Unit)
- 1 x USB Power Cable
- 1 x Outdoor Sensor for Wind Speed and Rainfall
- 1 x Instruction Manual (EN/DE/FR/IT/ES)
- 1 x Installation Accessories



Figure 1.1: The HUIOP FJ3390A Weather Station, showing the main display unit and the outdoor multi-sensor.

2. PRODUCT OVERVIEW

The HUIOP FJ3390A weather station is designed for comprehensive environmental monitoring. It features a main display unit and a wireless outdoor multi-sensor.

Key Features:

- **Versatile Weather Tracking:** Monitors temperature, humidity, wind speed, direction, and rainfall both indoors and outdoors.
- **Professional-Grade Accuracy:** Provides precise readings with 1°C temperature accuracy and a wide detection range.
- **User-Friendly Display:** Features an easy-to-read LCD screen with clock function and alarm feature.
- **Durable Construction:** Made from ABS material for long-lasting use, suitable for garden monitoring.
- **Easy Setup and Power:** USB-powered with simple installation and no batteries required for the main unit. Outdoor sensor uses 3xAA batteries (not included).

Professional multi-functional color screen weather station



Figure 2.1: Overview of the weather station's main features, including wind speed, direction, weather forecast, temperature, humidity, time, and alarm.

Outdoor Sensor Components:



Figure 2.2: Detailed view of the outdoor sensor, highlighting its components: Rainfunnel, Solar panel, Temperature humidity induction box, Wind speed cups, Bubble level, Wind direction vane, and Installation base.

3. SETUP AND INSTALLATION

Proper setup is crucial for accurate readings. Follow these steps to install your weather station.

3.1 Main Display Unit Setup:

1. **Power Connection:** Connect the provided USB power cable to the main display unit and plug it into a suitable USB power adapter (not included) or a USB port. The unit will power on automatically.
2. **Placement:** The main display unit can be placed on a flat surface using its integrated stand or mounted on a wall using the keyhole slot on the back. Ensure it is placed indoors, away from direct sunlight or heat sources that could affect indoor temperature readings.

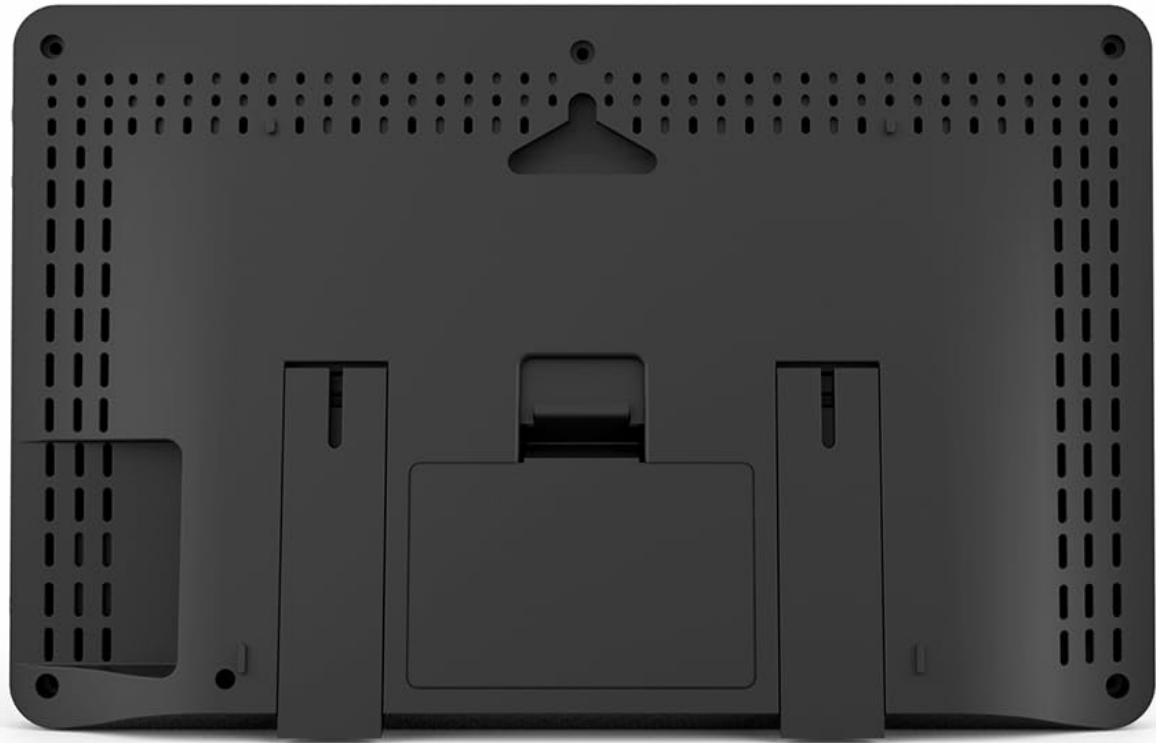


Figure 3.1: Rear view of the main display unit, showing the stand and wall-mounting slot.

3.2 Outdoor Sensor Installation:

1. **Battery Installation:** Open the battery compartment on the outdoor sensor and insert 3xAA batteries (not included), ensuring correct polarity. Close the compartment securely.
2. **Mounting Location:** Choose an outdoor location that is open and unobstructed to ensure accurate readings for wind, rain, and temperature.
 - Mount the sensor at least 1.5 meters (5 feet) above the ground.
 - Ensure the wind cups and wind vane are free to rotate.
 - Avoid placing it near large metal objects, trees, or buildings that could interfere with wind flow or wireless signal.
3. **Leveling:** Use the integrated bubble level on the sensor to ensure it is perfectly horizontal. This is critical for accurate rainfall measurement.
4. **Secure Mounting:** Use the provided installation accessories (screws, mounting pole/bracket) to securely attach the sensor to a pole or suitable structure.

5. **Pairing:** The outdoor sensor should automatically pair with the main display unit once both are powered on. Allow a few minutes for the data to synchronize.



Figure 3.2: Example of the outdoor sensor installed in an open area, demonstrating its wireless connection to the main display unit.

4. OPERATING INSTRUCTIONS

The main display unit provides a clear, color LCD screen for easy monitoring of all weather data and settings.

4.1 Display Layout and Information:



Figure 4.1: Detailed view of the main display unit, illustrating various data points and features.

- **Weather Forecast:** Displays predicted weather conditions (sunny, cloudy, rainy, etc.) and trend.
- **Rainfall:** Shows current rainfall amount (e.g., 0.30 inches).
- **Wind Speed & Direction:** Indicates current wind speed (e.g., 3.0 km/h) and direction (e.g., 270°).
- **Outdoor Remote:** Displays outdoor temperature (e.g., 30.6°C) and humidity (e.g., 73%).
- **Indoor:** Displays indoor temperature (e.g., 23.6°C) and humidity (e.g., 59%).
- **Time & Date:** Shows current time (10:30), day of the week (SUN), and date (19). Supports 12/24-hour format.
- **Atmospheric Pressure:** Displays current barometric pressure (e.g., 1009 hPa).
- **Alarms:** Supports two daily alarms with snooze function.
- **Background Lighting:** Adjustable backlight for visibility in various lighting conditions.
- **Wireless Sensors:** Indicates connection status with outdoor sensors.

4.2 Basic Settings:

Refer to the included printed instruction manual (EN/DE/FR/IT/ES) for detailed button functions and advanced settings

such as setting time, date, alarm, units (C/F, km/h/mpH, mm/in, hPa/inHg/mmHg), and calibration.

5. MAINTENANCE

Regular maintenance ensures the longevity and accuracy of your weather station.

- **Cleaning:**
 - Wipe the main display unit with a soft, dry cloth. Do not use abrasive cleaners or solvents.
 - Periodically clean the outdoor sensor, especially the rain funnel and wind cups, to remove debris (leaves, dirt, insects) that could affect readings.
- **Battery Replacement:** Replace the AA batteries in the outdoor sensor annually or when the low battery indicator appears on the main display unit.
- **Sensor Placement Check:** Periodically check that the outdoor sensor remains level and securely mounted, especially after strong winds or storms.
- **Software Updates:** Check the manufacturer's website (if applicable) for any firmware updates for improved performance.

6. TROUBLESHOOTING

If you encounter issues with your weather station, try the following solutions:

Problem	Possible Cause	Solution
No display on main unit	No power or faulty USB cable.	Ensure USB cable is securely connected and power source is active. Try a different USB port or adapter.
Outdoor data not displayed or inaccurate	Outdoor sensor not paired, low batteries, or out of range.	Replace outdoor sensor batteries. Ensure sensor is within wireless range (typically up to 100m/330ft line of sight). Re-pair the sensor (refer to the printed manual for pairing instructions). Check for obstructions between sensor and main unit.
Rainfall readings are incorrect	Rain funnel blocked or sensor not level.	Clean the rain funnel to remove debris. Ensure the outdoor sensor is perfectly level using the bubble level.
Wind readings are incorrect	Wind cups/vane obstructed or sensor not positioned correctly.	Check for physical obstructions (e.g., branches, spiderwebs) on wind cups and vane. Ensure the sensor is in an open area, away from buildings or trees that block wind.

7. SPECIFICATIONS

Detailed technical specifications for the HUIOP FJ3390A Weather Station.

Feature	Specification
Indoor Temperature Range	0°C to +50°C (32°F to 122°F)
Indoor Humidity Range	20% to 95% RH

Feature	Specification
Outdoor Temperature Range	-40°C to +70°C (-40°F to 158°F)
Outdoor Humidity Range	20% to 95% RH
Air Pressure Range	600 to 1100 hPa (17.72 to 32.48 inHg & 450 to 825.1 mmHg)
Wind Speed Range	0 to 180 km/h (0 to 111 mph)
Wind Direction Range	0 to 359 degrees
Rainfall Range	0 to 9999 mm (0 to 393.7 in)
Temperature Accuracy	±1°C
Main Unit Power	USB Power Cable (Corded Electric)
Outdoor Sensor Power	3 x AA Batteries (not included)
Main Unit Dimensions	20.5 x 13 x 3 cm (8.07 x 5.12 x 1.18 inches)
Outdoor Sensor Dimensions	38 x 30 x 9 cm (14.96 x 11.81 x 3.54 inches)
Connectivity	Wireless (Sensor to Main Unit), USB (Main Unit Power)
Material	ABS
Color	Black



Product packaging information:

Weather station --1, Multi-combination Wireless Remote Sensor --1,
USB power cord --1, User manual --1, Installation accessories --1,

Figure 7.1: Diagram showing the approximate dimensions of the weather station main unit and the outdoor multi-sensor.

8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the contact details provided in the original product packaging or contact your retailer. Keep your purchase receipt as proof of purchase.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question