

## Youshiko YC6020

# Youshiko YC6020 Traditional 3-in-1 Weather Station User Manual

Model: YC6020

## 1. INTRODUCTION

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Thank you for choosing the Youshiko YC6020 Traditional 3-in-1 Weather Station. This analogue instrument provides accurate readings for atmospheric pressure, temperature, and humidity, all within a beautifully crafted wooden and brass housing. Designed for ease of use and requiring no batteries, this weather station is a classic addition to any home or office. This manual provides essential information for setup, operation, and maintenance to ensure optimal performance.

## 2. PRODUCT OVERVIEW

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The Youshiko YC6020 combines three essential weather instruments into a single, elegant unit:

- **Barometer:** Measures atmospheric pressure, indicating changes in weather patterns.
- **Thermometer:** Displays ambient temperature in degrees Celsius.
- **Hygrometer:** Measures relative humidity, indicating moisture levels in the air.



*Figure 2.1: Front view of the Youshiko YC6020 Weather Station, showing the main barometer dial and smaller thermometer and hygrometer dials.*

### **3. PACKAGE CONTENTS**

Please ensure all the following items are present in your package:

- Youshiko YC6020 Traditional 3-in-1 Weather Station
- Adjustment Tool
- Mounting Hardware (screws and dowels)
- User Manual (this document)

## 4. SETUP

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### 4.1 Mounting the Weather Station

The weather station is designed for wall mounting. Choose a location that is representative of the general atmospheric conditions, away from direct sunlight, heat sources, or drafts, which could affect temperature and humidity readings.

1. Select a suitable indoor wall location.
2. Using the provided mounting hardware, securely fasten the weather station to the wall. The back of the unit features a keyhole slot for easy hanging.



*Figure 4.1: Rear view of the weather station, illustrating the keyhole slot for wall mounting.*

## **5. OPERATING INSTRUCTIONS**

The Youshiko YC6020 is an analogue device and operates without batteries. Readings are displayed continuously.

### **5.1 Reading the Barometer**

The large central dial indicates atmospheric pressure in hectopascals (hPa). A rising pressure generally indicates improving weather, while falling pressure suggests deteriorating conditions. The barometer also features weather symbols (sun, cloud, rain) to provide a general forecast based on pressure trends.

## 5.2 Reading the Thermometer

The lower-left dial displays the ambient temperature in degrees Celsius ( $^{\circ}\text{C}$ ). The range is from  $-20^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$ .

## 5.3 Reading the Hygrometer

The lower-right dial shows the relative humidity as a percentage (%). The range is from 0% to 100% RH.



Figure 5.1: Detailed view of the thermometer and hygrometer dials, along with the lower section of the barometer.

## 6. CALIBRATION

### 6.1 Barometer Adjustment

For accurate pressure readings, the barometer may need to be calibrated to your local atmospheric pressure. This

is typically done upon initial setup or if the unit has been moved to a significantly different altitude.

1. Obtain the current local atmospheric pressure from a reliable source (e.g., local weather service, airport, or another calibrated barometer).
2. Locate the small adjustment screw on the back of the weather station.
3. Carefully insert the provided adjustment tool into the screw.
4. Gently turn the screw clockwise or counter-clockwise until the barometer needle points to the correct local pressure reading.
5. Lightly tap the glass face of the barometer to ensure the needle settles correctly.

*Note: The thermometer and hygrometer are factory-calibrated and generally do not require user adjustment.*



*Figure 6.1: Side view of the weather station, highlighting the location of the barometer adjustment screw.*

## **7. MAINTENANCE**

The Youshiko YC6020 Weather Station requires minimal maintenance to ensure longevity and accurate readings.

- **Cleaning:** Wipe the wooden frame and brass bezel with a soft, dry cloth. For the glass face, use a soft, slightly damp cloth and dry immediately. Avoid abrasive cleaners or solvents.
- **Placement:** Keep the unit away from extreme temperatures, high humidity, direct sunlight, and strong vibrations.
- **Tapping:** Occasionally, a gentle tap on the glass face can help the barometer needle settle, especially after significant pressure changes.

## 8. TROUBLESHOOTING

If you encounter any issues with your weather station, please refer to the following table:

Problem	Possible Cause	Solution
Barometer needle not moving or inaccurate.	Needs calibration; stuck mechanism; unit moved.	Calibrate the barometer using the adjustment screw (Section 6.1). Gently tap the glass face. Ensure the unit is not exposed to drafts or vibrations.
Temperature or humidity readings seem incorrect.	Improper placement; extreme environmental conditions.	Relocate the weather station to a stable environment, away from direct sunlight, heat sources, or drafts. Allow time for the unit to acclimatize.
Physical damage to the unit.	Impact or mishandling.	Contact Youshiko customer support for repair or replacement options.

## 9. SPECIFICATIONS

Feature	Detail
Model Number	YC6020
Display Type	Analog
Power Source	Manual Power (No Batteries Required)
Barometer Range	960 hPa to 1060 hPa
Thermometer Range	-20°C to +60°C
Hygrometer Range	0% to 100% RH
Overall Diameter	8.5 inches (approx. 21.6 cm)
Dial Diameter	6.25 inches (approx. 15.9 cm)
Overall Depth	2 inches (approx. 5.1 cm)
Material	Wood, Brass
Item Weight	660 g
Included Components	Instruction Manual, Mounting Hardware, Adjustment Tool

## 10. WARRANTY AND SUPPORT

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Youshiko products are manufactured to high-quality standards. For specific warranty information, please refer to the documentation provided at the time of purchase or visit the official Youshiko website. If you require technical assistance or have questions not covered in this manual, please contact Youshiko customer support.

For more information and other products, please visit: [www.youshiko.co.uk](http://www.youshiko.co.uk)