Ambient Weather WS-YG315

Ambient Weather YG315 Traditional Weather Station

Model: WS-YG315

Introduction

The Ambient Weather YG315 is a classic three-in-one weather station designed to provide accurate readings of temperature, humidity, and barometric pressure. Housed in a solid wood base with a cherry lacquer finish, this traditional instrument is suitable for indoor use and offers a timeless aesthetic while delivering essential weather data.

Product Overview

The YG315 weather station integrates three key instruments:

- **Thermometer:** Measures ambient air temperature in Fahrenheit.
- **Hygrometer:** Measures relative humidity.
- **Barometer:** Measures atmospheric pressure, indicating weather trends.

Each dial measures 2.5 inches in diameter, ensuring clear readability. The unit can be mounted either horizontally or vertically to suit your space.

Image: The Ambient Weather YG315 Traditional Weather Station, featuring a thermometer, barometer, and hygrometer mounted on a cherry-finished wooden plaque.

Setup

1. Unpacking

Carefully remove the weather station from its packaging. Inspect the unit for any signs of damage. Retain packaging for future transport or storage.

2. Placement

For accurate readings, place the weather station indoors in a location that is:

- Away from direct sunlight.
- Away from heat sources (e.g., radiators, vents, appliances).
- In an area with good air circulation.
- Not near windows or doors that are frequently opened, as this can cause sudden temperature and humidity fluctuations.

The unit can be hung on a wall using the keyhole slot on the back. It supports both horizontal and vertical orientations.

3. Barometer Calibration

The barometer requires initial calibration to your local atmospheric pressure for accurate readings. This is a one-time adjustment unless the unit is moved to a significantly different altitude.

1. Obtain the current barometric pressure for your exact location from a reliable source. This can be a local weather service, airport weather report, or another accurately calibrated barometer.
2. Locate the small adjustment screw on the back of the barometer dial.
3. Using a small flat-head screwdriver, carefully turn the adjustment screw until the barometer needle points to your local barometric pressure reading. Turn clockwise to increase the reading and counter-clockwise to decrease it. Avoid applying excessive force.
4. Tap the glass face of the barometer gently a few times to allow the mechanism to settle. Re-check the reading and adjust if needed.

Allow the thermometer and hygrometer approximately 1-2 hours to acclimate to the room's conditions before taking readings.

Operating Instructions

1. Thermometer

Image: Detailed view of the thermometer dial, displaying temperature in degrees Fahrenheit from -40°F to 140°F.

The thermometer measures the ambient air temperature in degrees Fahrenheit. The needle indicates the current temperature. For accurate readings, ensure the unit is not exposed to direct heat sources or drafts.

2. Hygrometer

Image: Detailed view of the hygrometer dial, indicating relative humidity from 0% to 100% with a "NORMAL" range marked.

The hygrometer measures the relative humidity in the air, expressed as a percentage. The needle points to the current humidity level. Optimal indoor humidity levels typically fall within the

"NORMAL" range indicated on the dial.

3. Barometer

Image: Detailed view of the barometer dial, showing atmospheric pressure in mmHg and inches, along with weather trend indicators like sun, clouds, and rain.

The barometer measures atmospheric pressure. Changes in pressure indicate changes in weather patterns. A rising barometer generally suggests improving weather, while a falling barometer often indicates approaching stormy or unsettled weather. The dial includes small weather icons to help interpret these trends.

- **Rising Pressure:** Indicates fair or clearing weather.
- **Falling Pressure:** Indicates approaching unsettled or stormy weather.
- **Steady Pressure:** Indicates stable weather conditions.

Maintenance

- **Cleaning:** Wipe the unit with a soft, dry cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish and instrument dials.
- **Location:** Periodically check the placement of your weather station to ensure it remains in an optimal environment for accurate readings.
- **No User Serviceable Parts:** The internal mechanisms of the thermometer, hygrometer, and barometer are not designed for user maintenance. Do not attempt to disassemble the unit.

Troubleshooting

Inaccurate Barometer Reading

If the barometer reading appears inaccurate, it likely requires re-calibration. Refer to the "Barometer Calibration" section under Setup. Ensure you are using a reliable local pressure source for comparison. Remember to gently tap the glass after adjustment to allow the needle to settle.

Inaccurate Thermometer or Hygrometer Reading

Allow the unit sufficient time (1-2 hours) to acclimate to its environment. Ensure the weather station is placed away from direct sunlight, heat sources, or strong drafts, which can affect readings.

Specifications

Feature	Detail
Model	WS-YG315
Product Dimensions	2.75"D x 5.25"W x 13"H
Item Weight	1.2 Pounds
Material	Glass, Wood (Cherry finish)

Display Type	Analog Dials
Thermometer Scale	Fahrenheit
Temperature Accuracy	±1°C
Upper Temperature Range	140 Degrees Fahrenheit
Power Source	Mechanical (No batteries required)
Recommended Uses	Home, Indoor Weather Monitoring

Warranty and Support

Warranty Information

The Ambient Weather YG315 Traditional Weather Station comes with a**one-year warranty** covering parts and labor from the date of purchase. This warranty covers manufacturing defects and workmanship under normal use.
For warranty claims or service, please retain your proof of purchase.

Customer Support

If you have any questions, require technical assistance, or need to report an issue with your weather station, please contact Ambient Weather customer support. You can find contact information and additional resources on the official Ambient Weather website:

Visit Ambient Weather Support