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› PerGar Weather Station Indoor Outdoor Thermometer User Manual

PerGar PerGarqeaic8g9nh-12

PerGar Weather Station Indoor Outdoor Thermometer User Manual

Model: PerGarqeaic8g9nh-12

1. INTRODUCTION

Thank you for choosing the PerGar Weather Station Indoor Outdoor Thermometer. This device provides accurate indoor and outdoor temperature and humidity readings, along with a weather forecast function. This manual will guide you through the setup, operation, and maintenance of your new weather station to ensure optimal performance.

2. PACKAGE CONTENTS

Please check the package contents to ensure all items are present:

- 1 x Hygrometer Thermometer (Main Unit)
- 1 x Sensor (Outdoor Transmitter)
- 3 x Screws
- 3 x Expansion Tubes



Figure 2.1: Main unit, outdoor sensor, and included screws with expansion tubes.

3. PRODUCT FEATURES

- **Remote Sensors:** Equipped with remote sensors for up-to-date and accurate data.
- **Weather Forecast:** Predicts weather conditions to assist in daily planning.
- **Large Screen Display:** Clear and accurate display of temperature, humidity, and other data.
- **Long Transmission Distance:** Outdoor transmitter has a sensing distance of up to 100 meters for real-time data transmission.
- **Versatile Application:** Suitable for various locations including living rooms, nurseries, bedrooms, garages, warehouses, and porches.

4. SETUP

4.1 Battery Installation

The main unit requires 3x AAA batteries, and the outdoor sensor requires 2x AAA batteries (batteries are not included). Ensure correct polarity when inserting batteries.

1. Open the battery compartment cover on the back of the main unit.
2. Insert 3 AAA batteries, observing the correct positive (+) and negative (-) terminals.
3. Close the battery compartment cover.
4. Open the battery compartment cover on the back of the outdoor sensor.
5. Insert 2 AAA batteries, observing the correct positive (+) and negative (-) terminals.
6. Close the battery compartment cover.

4.2 Initial Synchronization and Placement

Once batteries are installed in both the main unit and the sensor, they will automatically attempt to synchronize. Place the main unit indoors and the sensor outdoors within the 100-meter transmission range.

Wireless Temperature and Humidity Meter Use Scene

Indoor Outdoor



Figure 4.1: Example placement of the indoor host and outdoor transmitter.



Figure 4.2: The indoor display unit and outdoor sensor, illustrating the maximum sensing distance of 100m.

5. OPERATING INSTRUCTIONS

5.1 Display Overview

The large color display provides various information at a glance. Refer to the diagram below for a detailed breakdown of the display elements.



Figure 5.1: Breakdown of the main unit's display elements.



Figure 5.2: A close-up view of the weather station's main display.

5.2 Button Functions

The main unit features several buttons for controlling its functions:



Figure 5.3: Main unit buttons and their functions.

- **TX (Re-transmit Signals):** Used to manually re-transmit signals from the outdoor sensor. Press this button if the outdoor reading is lost or needs to be refreshed.
- **°C/°F (Select Temperature Units):** Press to switch between Celsius (°C) and Fahrenheit (°F) temperature display.
- **CH (Switch Channels):** If you have multiple outdoor sensors (sold separately), press this button to cycle through the channels (CH1, CH2, CH3) to view readings from different sensors.
- **MEM (Memory):** Press to view maximum and minimum temperature and humidity records. Press again to cycle through MAX, MIN, and current readings.
- **SET:** Used for setting time and other parameters.

5.3 Weather Forecast

The weather station analyzes changes in atmospheric pressure to predict future weather conditions. The forecast is displayed using intuitive icons (e.g., sunny, cloudy, rainy). This feature provides an indication of upcoming weather and is not a substitute for official weather reports.

6. MAINTENANCE

- **Cleaning:** Wipe the main unit and sensor with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries in both units when the low battery indicator appears on the display. Dispose of old batteries responsibly.

- **Placement:** Ensure the outdoor sensor is protected from direct sunlight and heavy rain for accurate readings and extended lifespan.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No outdoor temperature/humidity reading.	• Outdoor sensor out of range. • Low batteries in outdoor sensor. • Interference.	• Move sensor closer to the main unit. • Replace batteries in the outdoor sensor. • Relocate units away from electronic devices that may cause interference. Press the TX button on the sensor and then the CH button on the main unit to re-sync.
Inaccurate readings.	• Sensor exposed to direct sunlight or rain. • Poor ventilation around sensor.	• Relocate the outdoor sensor to a shaded, protected area. • Ensure proper airflow around both units.
Display is dim or blank.	• Low batteries in the main unit.	• Replace batteries in the main unit.

8. SPECIFICATIONS

Main Unit Batteries	3x AAA (Excluded)
Sensor Battery	2x AAA (Excluded)
Indoor Temperature Range	-9.9°C to +50°C (14°F to +122°F)
Indoor Humidity Range	20%RH to 95%RH
Outdoor Temperature Range	-40°C to +60°C (-40°F to +144°F)
Outdoor Humidity Range	20%RH to 95%RH
Temperature Resolution	0.1°C / 0.1°F
Humidity Resolution	1%RH
Max. Transmission Distance	100 meters (open air)
Item Weight	9.2 ounces (Approx. 261g)
Model Number	PerGarqeaic8g9nh-12

9. WARRANTY AND SUPPORT

PerGar products are designed for reliability and performance. For any questions, technical support, or warranty inquiries, please refer to the retailer's return policy or contact PerGar customer service through the official channels provided at the point of purchase. Please retain your proof of purchase for warranty claims.

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