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› BaldrTherm Digital Thermometer Hygrometer with Solar and Battery Dual Power, Model B0590TH

BaldrTherm B0590TH

BaldrTherm Digital Thermometer Hygrometer (Model B0590TH) Instruction Manual

Comprehensive guide for setup, operation, and maintenance.

1. PRODUCT OVERVIEW

The BaldrTherm Digital Thermometer Hygrometer, Model B0590TH, is a compact and high-precision device designed to monitor indoor temperature and humidity. It features a large, easy-to-read display, dual power options (solar and battery), and records maximum and minimum values. Its versatile design allows for various placement options, making it suitable for a wide range of environments.



Image 1: BaldrTherm Digital Thermometer Hygrometer (Model B0590TH) units displaying current temperature and humidity.

2. FEATURES

- **Large, Clear Display:** Features an 8.2cm large screen with prominent digits and a comfort level icon for easy readability, especially for seniors.
- **Max/Min Value Recording:** Displays the highest and lowest temperature and humidity recorded over a period, aiding in environmental management for pets and plants.
- **Dual Power Source:** Operates on both solar power and an integrated battery. The internal battery is replaceable, ensuring long-term use.
- **High-Precision Sensor with 3-Way Ventilation:** Provides accurate readings updated every 10 seconds, thanks to its unobstructed three-directional airflow design.
- **Versatile Placement:** Can be placed on a stand or hung on a wall, fitting seamlessly into any room decor with its simple white design.



Image 2: The BaldrTherm device shown in different environments, highlighting its versatility.

3. SETUP INSTRUCTIONS

- 1. Unpacking:** Carefully remove the thermometer hygrometer from its packaging. Ensure all components are present: the main unit and the included AAA battery (if not pre-installed).
- 2. Battery Installation:**

The device features a dual power system with solar and an internal battery. If the display is not active upon unpacking, or if the battery indicator shows low power, you may need to install or replace the battery.

 - Locate the battery compartment cover on the back of the unit.
 - Open the cover and insert one AAA battery, ensuring correct polarity (+/-).
 - Close the battery compartment cover securely.
- 3. Initial Power-On:** The device should automatically power on and display current temperature and humidity readings. Allow a few minutes for the sensor to stabilize and provide accurate readings.
- 4. Placement:**

Choose a suitable location for the device. It can be placed on a flat surface using its integrated stand or mounted on a wall using the hook hole on the back.

- For stand placement, ensure the surface is stable and level.
- For wall mounting, use an appropriate hook or nail (not included) in your desired location.
- Avoid placing the device in direct sunlight, near heat sources, or in areas with extreme drafts, as this can affect accuracy.



Image 3: Illustration of the solar panel on the device, indicating its solar charging capability from various light sources.

4. OPERATING INSTRUCTIONS

4.1 Display Information

The large LCD screen displays the following information:

- **Current Temperature:** Shown in large digits at the top.
- **Current Humidity:** Shown in large digits below the temperature.
- **Max/Min Temperature:** The highest (HI) and lowest (LO) temperatures recorded since the last reset.
- **Max/Min Humidity:** The highest (HI) and lowest (LO) humidity levels recorded since the last reset.
- **Comfort Level Indicator:** A facial icon (e.g., smiling, neutral, frowning) indicates the current comfort level based on temperature and humidity.

- **Battery Indicator:** Shows the current battery level.

4.2 Switching Temperature Units (°C/°F)

To switch between Celsius (°C) and Fahrenheit (°F), locate the °C/°F button on the back or side of the device. Press this button once to toggle between the two units.

4.3 Resetting Max/Min Values

The device automatically records the maximum and minimum temperature and humidity values. To clear these recorded values and start a new recording cycle:

- Locate the "CLEAR" or "RESET" button (if available, typically on the back).
- Press and hold this button for approximately 3 seconds until the Max/Min values reset to the current readings.

Note: If no specific reset button is present, the Max/Min values might automatically reset every 24 hours or upon battery removal/reinsertion. Refer to the specific model's detailed instructions if available.



Image 4: Detailed view of the display, illustrating temperature, humidity, and other indicators.

5. MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or immerse the device in water.
- **Battery Replacement:** When the battery indicator shows low power, replace the AAA battery.
 - Open the battery compartment cover on the back.
 - Remove the old battery and dispose of it according to local regulations.
 - Insert a new AAA battery, observing correct polarity.
 - Close the battery compartment cover.
- **Storage:** If storing the device for an extended period, remove the battery to prevent leakage. Store in a cool, dry place.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No display or faint display	Low or dead battery; incorrect battery installation.	Replace the battery with a new AAA battery, ensuring correct polarity.
Inaccurate readings	Device placed near heat/cold sources, direct sunlight, or in an area with poor air circulation.	Relocate the device to a stable environment away from extreme temperature or humidity fluctuations. Allow 10-15 minutes for readings to stabilize.
Max/Min values not resetting	Reset button not pressed correctly or device design does not include a manual reset.	Ensure the reset button (if present) is pressed and held for 3 seconds. Some models reset automatically or upon battery removal.

7. SPECIFICATIONS

- **Model:** B0590TH
- **Brand:** BaldrTherm
- **Dimensions:** 4.12 x 7.06 x 10.9 cm (1.62 x 2.78 x 4.29 inches)
- **Weight:** 108 g (3.81 oz)
- **Power Source:** Solar and 1 x AAA battery (included)
- **Temperature Range:** -9.9°C to 50°C (14.2°F to 122°F)
- **Humidity Range:** 1% to 99% RH
- **Temperature Accuracy:** ±1°C (±1.8°F)
- **Humidity Accuracy:** ±5% RH
- **Display Type:** LCD
- **Features:** Large display, Max/Min record, Comfort indicator, Solar power, Wall-mountable/Stand.
- **Material:** Plastic
- **Color:** White

8. WARRANTY AND SUPPORT

BaldrTherm provides a manufacturer's warranty of up to 12 months from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

In the event of product malfunction, damage, or incorrect delivery, please contact BaldrTherm customer support for assistance. We are committed to providing prompt and courteous support, including refunds or free replacements as applicable.

For support, please refer to the contact information provided with your purchase or visit the official BaldrTherm website.