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dretec O-230WT

DRETEC OPSYS O-230WT Digital Thermometer Hygrometer User Manual

Model: O-230WT

1. Introduction

Thank you for purchasing the DRETEC OPSYS O-230WT Digital Thermometer Hygrometer. This device is designed to accurately measure and display the current indoor temperature and humidity, helping you maintain a comfortable and healthy living environment. Please read this manual carefully before use to ensure proper operation and to maximize the product's lifespan.



Figure 1: Monitoring indoor conditions is essential for comfort and well-being.

2. Product Overview

The DRETEC OPSYS O-230WT features a large, easy-to-read digital display and a unique comfort indicator. Its compact design allows for versatile placement in any room.

- **Large Digital Display:** Clearly shows temperature and humidity readings.

- **5-Stage Comfort Indicator:** Visually represents the comfort level based on temperature and humidity.
- **MAX/MIN Memory:** Records the highest and lowest temperature and humidity values.
- **3-Way Mounting:** Can be placed on a tabletop, hung on a wall, or attached to a metal surface with a magnet.



Figure 2: DRETEC OPSYS O-230WT Digital Thermometer Hygrometer.

3. Setup

3.1 Battery Installation

1. Locate the battery compartment on the back of the unit.
2. Open the battery compartment cover.
3. Insert one (1) AAA battery, ensuring the correct polarity (+/-) as indicated inside the compartment.
4. Close the battery compartment cover securely. The display should activate.

3.2 Placement

The DRETEC OPSYS O-230WT offers three convenient mounting options:

- **Tabletop:** Use the integrated foldable stand on the back of the unit to place it on any flat surface.
- **Wall Mount:** Utilize the hanging hole on the back to mount the unit on a wall hook or nail.
- **Magnetic Attachment:** The built-in magnet allows you to attach the unit to metal surfaces such as refrigerators or whiteboards.

For accurate readings, place the device away from direct sunlight, heat sources, air conditioning vents, and areas with high airflow.



Figure 3: Back view with stand and battery compartment, along with dimensions.



Figure 4: Illustrating the 3-way mounting options.

4. Operating Instructions

4.1 Display Readings

Once the battery is installed, the device will automatically power on and begin displaying the current temperature in Celsius (°C) and relative humidity (%). The large digits ensure easy readability.



Figure 5: Large digital display for clear readings.

4.2 MAX/MIN Function

The device records the maximum and minimum temperature and humidity values over a period. To view these records:

- Press the **MAX/MIN** button once to display the maximum recorded temperature and humidity.
- Press the **MAX/MIN** button again to display the minimum recorded temperature and humidity.

- Press the **MAX/MIN** button a third time to return to the current temperature and humidity display.

4.3 Reset Function

To clear the recorded MAX/MIN values and start a new recording cycle:

- Press the **RESET** button. The MAX/MIN values will be cleared, and the device will begin recording new maximum and minimum values from the current readings.

4.4 Comfort Indicator

The DRETEC OPSYS O-230WT features a 5-stage comfort indicator, represented by a smiley face icon on the display. This icon changes to visually indicate the perceived comfort level based on the combination of temperature and humidity.



Figure 6: 5-stage comfort indicator with smiley faces.

Comfort Indicator Guide

Icon	Description
😊	Very Comfortable

Icon	Description
	Comfortable
😐	Neutral
	Uncomfortable
😩	Very Uncomfortable

5. Maintenance

5.1 Cleaning

To clean the device, gently wipe the surface with a soft, dry cloth. Do not use abrasive cleaners, solvents, or immerse the unit in water, as this may damage the electronic components.

5.2 Battery Replacement

When the display becomes dim or stops functioning, it is time to replace the battery. Follow the battery installation steps in Section 3.1 to replace the AAA battery. Dispose of used batteries according to local regulations.

6. Troubleshooting

Problem	Possible Cause	Solution
Display is blank or dim.	Low or depleted battery. Incorrect battery installation.	Replace the AAA battery. Ensure battery is inserted with correct polarity.
Readings appear inaccurate.	Device placed near heat/cold sources, direct sunlight, or strong airflow.	Relocate the device to a stable environment away from extreme conditions. Allow time for readings to stabilize.
Device is unresponsive.	Temporary electronic glitch.	Remove the battery, wait for 10 seconds, then reinsert the battery to reset the device.

7. Specifications

Feature	Detail
Model	O-230WT
Brand	dretec
Color	White
Item Weight	0.13 Kilograms
Battery	1 x AAA battery (not included)
Mounting Type	Tabletop, Wall, Magnet
Operating Humidity Range	30-90%

Feature	Detail
Dimensions (H x W x D)	122mm x 95mm x 22mm
UPC	699234130791

8. Warranty and Support

For warranty information or technical support, please refer to the documentation provided with your purchase or contact the retailer/manufacturer directly. Keep your purchase receipt as proof of purchase.

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