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› Inkbird ITH-20 Digital Indoor Thermometer Hygrometer User Manual

Inkbird ITH-20

Inkbird ITH-20 Digital Indoor Thermometer Hygrometer User Manual

Model: ITH-20

Brand: Inkbird

INTRODUCTION

The Inkbird ITH-20 is a convenient digital indoor thermometer and hygrometer designed to simultaneously display temperature and humidity. This unit is capable of memorizing maximum and minimum values for both temperature and humidity, and allows switching between Celsius and Fahrenheit modes. Its accurate and reliable readings make it suitable for various environments such as households, guitar cases, greenhouses, offices, and laboratories.

PRODUCT FEATURES

- **Max and Min Records:** Displays instant readings and allows viewing of maximum and minimum temperature and humidity values recorded.
- **Air Quality Indication:** Features 3 levels (DRY, COMFORT, WET) to indicate air quality, suitable for both indoor and outdoor use.
- **Easy to Use:** Equipped with three buttons on the back for intuitive operation, including Fahrenheit or Celsius switching, clearing records, and controlling backlight.
- **Delicate Design:** Compact 2.8-inch display with both a holder for tabletop use and a hanging design for wall mounting.
- **Comfort Default:** The COMFORT indicator is active when the temperature is between 20 to 30 degrees Celsius (68 to 86 degrees Fahrenheit) and relative humidity is between 40 to 70% RH.

PACKAGE CONTENTS

- 1 x Inkbird ITH-20 Digital Thermometer Hygrometer Unit
- 1 x User Manual
- *Note: 2x AAA batteries are required and not included.*

SETUP

1. Battery Installation

The ITH-20 requires two AAA batteries (not included) for operation.

1. Locate the battery compartment cover on the back of the unit.
2. Slide the cover downwards to open the compartment.
3. Insert two AAA batteries, ensuring correct polarity (+ and -) as indicated inside the compartment.
4. Close the battery compartment cover by sliding it upwards until it clicks into place.



Battery Replacement

Figure 1: Rear view of the ITH-20 unit, illustrating the battery compartment and button layout.

2. Placement Options

The ITH-20 offers versatile placement options:

- **Tabletop Placement:** Utilize the integrated kickstand on the back of the unit to stand it upright on any flat surface, such as a desk, shelf, or counter.

- **Wall Mounting:** Use the hanging hole located on the back of the unit to mount it securely on a wall using a nail or screw.



Figure 2: The ITH-20 unit demonstrating both tabletop (brace) and wall-mounted (suspension) placement options.

OPERATING INSTRUCTIONS

1. Display Overview

The large LCD screen displays current temperature, current humidity, and the maximum/minimum recorded values for both. It also features indicators for air quality (DRY, COMFORT, WET).

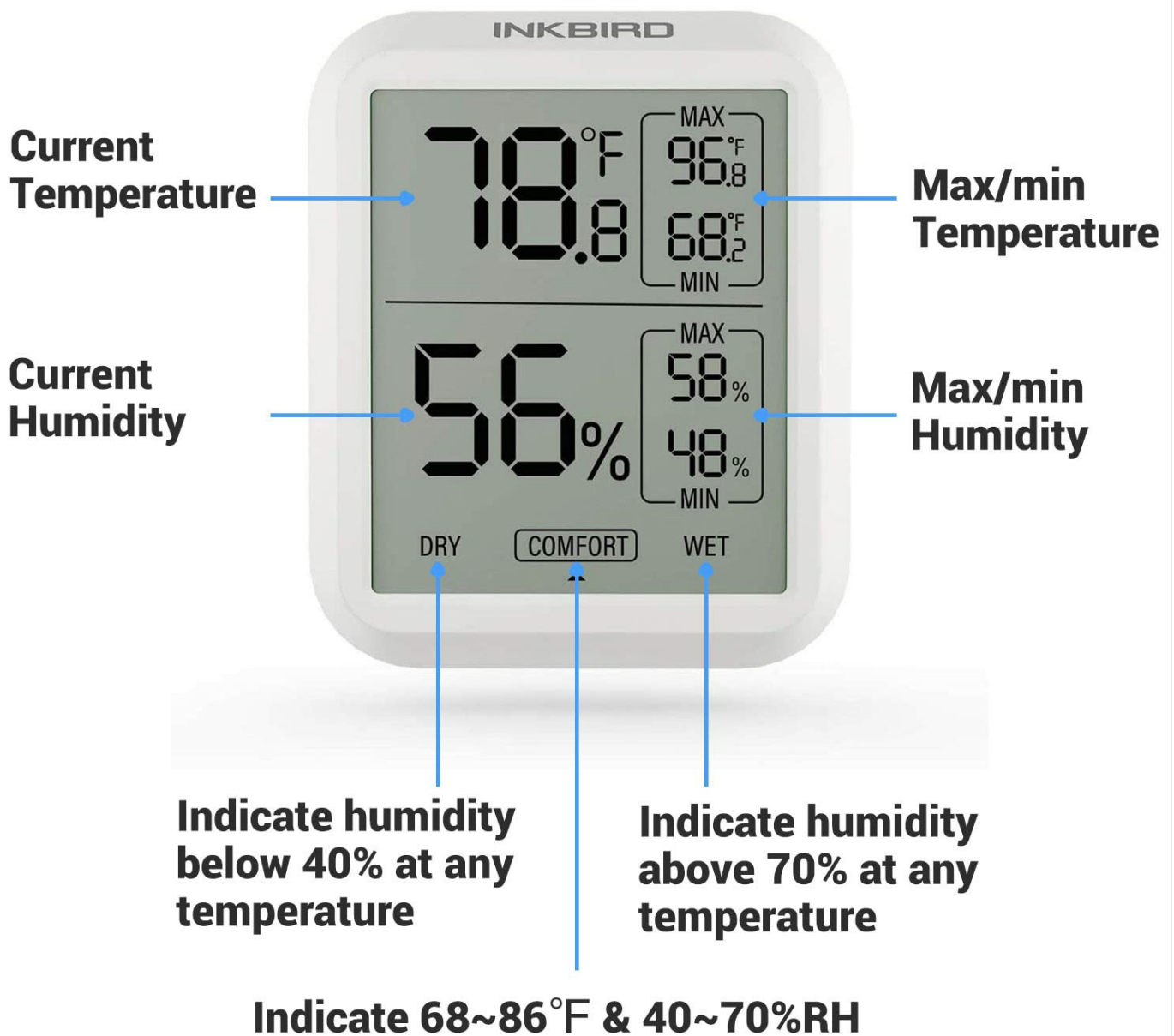


Figure 3: Detailed view of the ITH-20 display, highlighting current temperature, current humidity, maximum/minimum records, and air quality indicators.

2. Button Functions

The unit has three buttons on the back:

- **CLEAR °C/°F Button (Left):**
 - Press once to switch between Celsius (°C) and Fahrenheit (°F) temperature units.
 - Press and hold for approximately 3 seconds to clear the recorded maximum and minimum temperature and humidity values.
- **LCD on/off Button (Right):** Press to toggle the LCD display on or off. This can help conserve battery life.



Battery Replacement

Figure 4: Rear view of the ITH-20, showing the location and labels of the control buttons.

3. Air Quality Indicators

The display features three indicators at the bottom to show the current air quality based on humidity levels:

- **DRY:** Indicates humidity is below 40% RH.
- **COMFORT:** Indicates humidity is between 40% and 70% RH, and temperature is between 20°C to 30°C (68°F to 86°F).
- **WET:** Indicates humidity is above 70% RH.

MAINTENANCE

1. Battery Replacement

When the display becomes dim or the unit stops functioning, it is time to replace the batteries. Follow the battery installation steps outlined in the Setup section.

2. Cleaning

Wipe the unit with a soft, damp cloth. Do not use abrasive cleaners or immerse the unit in water.

TROUBLESHOOTING

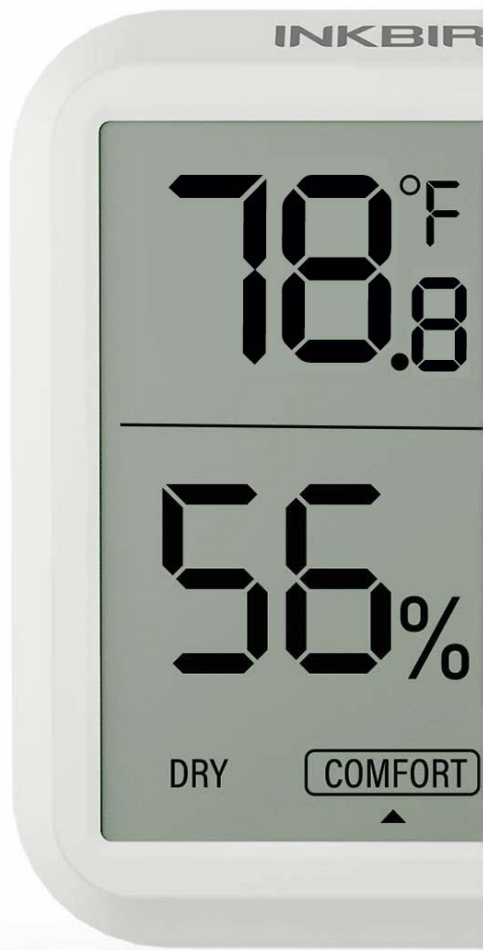
Problem	Possible Cause	Solution
No display or dim display	Batteries are low or incorrectly installed.	Replace batteries with new AAA batteries, ensuring correct polarity.
Inaccurate readings	Unit placed near heat/cold sources or in direct sunlight/drafts. Unit needs time to stabilize.	Move the unit to a stable environment away from extreme temperature fluctuations. Allow 15-30 minutes for readings to stabilize after relocation.
Max/Min values not resetting	CLEAR button not held long enough.	Press and hold the CLEAR button for approximately 3 seconds until values reset.

SPECIFICATIONS

Parameter	Value
Model Number	ITH-20
Temperature Measurement Range	-10°C to 50°C (14°F to 122°F)
Humidity Measurement Range	10% to 99% RH
Temperature Display Accuracy	0.1°C (0.1°F)
Temperature Measurement Accuracy	±1.0°C
Humidity Measurement Accuracy	±5%
Humidity Display Accuracy	1%
Temperature and Humidity Sampling Period	10 seconds
Power Source	2 x AAA 1.5V Batteries (not included)
Product Dimensions	2.52"W x 2.8"H (6.5cm x 7.5cm)
Color	White



Figure 5: Dimensions of the ITH-20 unit.



Temperature Measurement Range:
-10°C~50°C (14°F~122°F)

Humidity Measurement Range:
10%~99%

Temperature Display Accuracy:
0.1°C (0.1°F)

Temperature Measurement Accuracy:
±1.0°C

Humidity Measurement Accuracy:
±5%

Humidity Display Accuracy:
1%

**Temperature and humidity
sampling period:**
10 seconds

Figure 6: Key technical specifications of the ITH-20.

SCOPE OF APPLICATION

The Inkbird ITH-20 is versatile and can be used in a variety of indoor environments to monitor temperature and humidity, ensuring optimal conditions for different needs.

SCOPE OF APPLICATION



Figure 7: Examples of environments where the ITH-20 can be effectively used.

PRODUCT VIDEO

Your browser does not support the video tag.

Video 1: An official product video demonstrating the features and design of the Inkbird ITH-20 Digital Indoor Hygrometer Thermometer.

WARRANTY AND SUPPORT

For warranty information, technical support, or further assistance, please refer to the official Inkbird website or contact their customer service. A detailed User Guide in PDF format is also available for download.

[Download User Guide \(PDF\)](#)

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