

MDWXDOFP HT618

MDWXDOFP HT618 Digital Psychrometer Thermometer Hygrometer User Manual



1. INTRODUCTION

The MDWXDOFP HT618 is a digital psychrometer designed for accurate measurement of temperature, relative humidity, dew point, and wet bulb temperature. This device is suitable for various applications requiring precise environmental monitoring. This manual provides essential information for the safe and effective use of the HT618.

2. SAFETY INFORMATION

- Read all instructions carefully before operating the device.
- Do not expose the device to extreme temperatures, humidity, or direct sunlight.
- Avoid dropping or subjecting the device to strong impacts.
- Do not attempt to disassemble or modify the device. Refer all servicing to qualified personnel.
- Keep the device away from water and other liquids.
- Dispose of batteries according to local regulations.

3. PRODUCT FEATURES

- Measures temperature, relative humidity, dew point, and wet bulb temperature.
- Digital display with backlight for clear readings in various lighting conditions.
- Data Hold function to freeze current readings.
- Max/Min/Avg recording capabilities.
- Selectable temperature units (°C/°F).

4. PACKAGE CONTENTS

- HT618 Digital Psychrometer
- User Manual

5. DEVICE LAYOUT



This image displays the front of the HT618 device, manufactured by HABOTEST, showing the sensor at the top, the digital display in the middle, and control buttons below the display. The display shows readings for relative humidity (RH), dew point (DP), and wet bulb (WB) temperature, along with indicators for recording, max/min/avg values, and battery level. Buttons include 'H' (Data Hold),

'MEM READ' (Memory Read), '°C/°F' (Unit Selection), 'DP/WB' (Dew Point/Wet Bulb Mode), 'REC' (Record), and the power button.

Components Overview:

1. **Sensor Head:** Located at the top, responsible for detecting temperature and humidity.
2. **LCD Display:** Shows all measurement readings, units, and function indicators.
3. **H Button:** Activates/deactivates Data Hold function.
4. **MEM READ Button:** Accesses recorded maximum, minimum, and average values.
5. **°C/°F Button:** Toggles between Celsius and Fahrenheit temperature units.
6. **DP/WB Button:** Switches between Dew Point and Wet Bulb temperature display modes.
7. **REC Button:** Initiates or stops data recording.
8. **Power Button:** Turns the device On or Off.

6. SETUP

6.1 Battery Installation

The HT618 requires batteries for operation. Locate the battery compartment on the back of the device. Open the compartment cover, insert the batteries according to the polarity indicators, and then securely close the cover.

6.2 Initial Power On

Press the **Power Button** (marked with ①) to turn on the device. The LCD display will illuminate and show current readings.

7. OPERATING INSTRUCTIONS

7.1 Power On/Off

- To turn on: Press the **Power Button**.
- To turn off: Press and hold the **Power Button** for approximately 2 seconds.

7.2 Temperature Unit Selection

Press the **°C/°F Button** to switch the temperature display between Celsius (°C) and Fahrenheit (°F).

7.3 Dew Point / Wet Bulb Mode

Press the **DP/WB Button** to cycle through the display of Dew Point (DP) temperature and Wet Bulb (WB) temperature. The current mode will be indicated on the display.

7.4 Data Hold Function

Press the **H Button** to freeze the current readings on the display. Press it again to release the hold and resume live measurements.

7.5 Max/Min/Avg Readings

Press the **MEM READ Button** to cycle through the maximum (MAX), minimum (MIN), and average (AVG) recorded values since the device was powered on or memory was cleared. To clear the memory, press and hold the **MEM READ Button** for approximately 2 seconds.

7.6 Data Recording

Press the **REC Button** to start or stop data recording. The display will indicate when recording is active. Refer to the device's full specifications for details on recording capacity and interval.

8. MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, remove the batteries and store the device in a cool, dry place away from direct sunlight.
- **Battery Replacement:** Replace batteries when the low battery indicator appears on the display to ensure accurate readings and proper operation.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on	Low or dead batteries; Incorrect battery installation	Replace batteries; Check battery polarity
Inaccurate readings	Sensor obstructed or dirty; Device not stabilized in environment	Clean sensor gently; Allow device to acclimate to the environment for several minutes
Display is dim or flickering	Low battery power	Replace batteries

10. SPECIFICATIONS

Parameter	Value
Model	HT618
Brand	MDWXDOFP
Package Dimensions	1.18 x 0.79 x 0.39 inches
Item Weight	1.76 ounces (50 Grams)
Color	One Color
Assembly Required	No
Number of Pieces	1

11. WARRANTY INFORMATION

This product is covered by a standard manufacturer's warranty against defects in materials and workmanship. The warranty period and terms may vary. Please retain your proof of purchase for warranty claims. For specific warranty details, refer to the documentation provided with your purchase or contact customer support.

12. SUPPORT

For technical assistance, troubleshooting, or product inquiries, please contact your retailer or the manufacturer's customer support. Contact information can typically be found on the product packaging or the seller's website.

