Thermostatic Incubator

DH-100

User Manual



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Important Notes for Equipment Use

1.Thank you for choosing our thermostatic incubator (Model: DH-100). To ensure proper use, please read this manual carefully. Improper operation may result in deviations in results or equipment malfunction.

2.If you encounter any issues during use, please contact our company or distributor. Unauthorized disassembly or repair of the equipment by individuals or organizations not authorized by our company, or without our company' s guidance, may result in damage and will void the warranty.

Unpacking and Usage Precautions

1.Unpacking: After unpacking, ensure that the entire packaging remains intact.

2.Precautions for Use:

Transportation and Storage

※ Temperature range: -15°C to 60°C (-4°F to 140°F).

※ Relative humidity: 20%–80%.

※ During transportation and handling, do not tilt, overturn, or subject the device to impacts. Handle with care. Retain the packaging box for future use, such as during instrument repairs.

Power Supply

※ AC220V±22V, 50Hz±1Hz. Always turn off the device before unplugging the power cord.

※ Place the device in a location where the power supply is easily accessible, ensuring at least 15cm of clearance between the device and surrounding objects.

※ To avoid the risk of electric shock, the device must be connected to a properly grounded power supply.

Operating Environment

※ Relative humidity: 20%–80%.

※ Altitude: Below 5000m.

Working Conditions

※ Place the device on a stable and level surface.

※ Avoid contact with excessive dirt and dust.

※ Keep the device away from direct contact with water or corrosive liquids/gases; ensure the surface remains dry and dust-free.

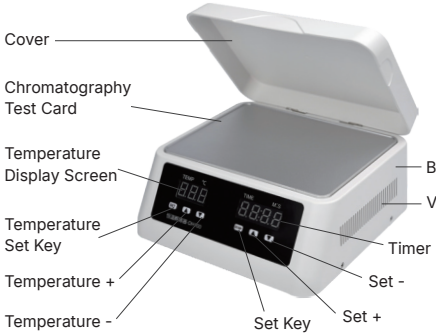
※ Avoid sudden temperature changes (e.g., do not place the device near heaters or high-power appliances like air conditioners).

※ Keep the device away from direct sunlight or intense light; do not place it near heat-generating equipment.

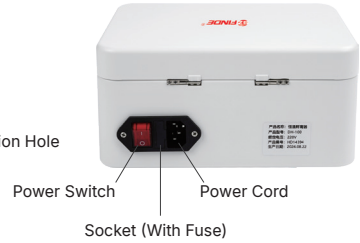
※ Avoid using the device in areas prone to electromagnetic interference, dust, or acidic volatile gases.

Equipment Description

1. Front-Side Corner



2. Back-Side Corner



3. Basic Parameters

Temperature Range	Room Temperature +5°C to 100°C	Temperature Setting Range	0°C-100°C
Temperature Control Accuracy	≤±0.3°C	Display Accuracy	0.1°C
Temperature Uniformity	≤±0.5°C	Heating Power	100w
Fuse	250V 3A Φ5×20	Weight	Approximately 2.3kg
Heating Time	≤5 minutes (from room temperature to 37°C)		
Dimensions	220×210×115mm		
Remarks	Customizable incubation modules available upon request		

Basic Operation Instructions

This instrument is a new product with microcomputer control, and it can be used for thermostatic incubation of colloidal gold and fluorescent rapid test kit. Before using the instrument for the first time, please familiarize yourself with this section before turning it on.

Temperature Setting

- Turn on the power switch, and the temperature display screen will light up.
- After approximately 3 seconds, the temperature will automatically rise to the last set temperature.
- Press the SET key to set the temperature, and use the Temperature Up (+) and Temperature Down (-) keys to adjust the temperature.

Time Setting

- Long press the ST/SP key until the Minute and Second (M:S) display flashes simultaneously, indicating entry into the time group setting. Use the Up and Down keys to select a time group (up to 3 groups). Short press the ST/SP key to confirm, then the minute

(M) display will flash. Use the Up and Down keys to adjust the minutes. Short press the ST/SP key to switch to seconds, at which point the second (S) display will flash. Use the Up and Down keys to adjust the seconds. After completing the settings, long press the ST/SP key to return to the setting interface where all four digits flash(You can use the Up and Down keys to switch between time groups). Long press ST/SP again to return to the countdown interface with the flashing colon, completing the setup.

- When the colon is flashing, it indicates that the countdown interface is active. Use the Up and Down keys to select one of the 3 preset incubation times. After selecting a time group, short press the ST/SP key to start the countdown.
- During the countdown, short press the ST/SP key to pause. Long press the ST/SP key to cancel the countdown and return to the initial time.
- When the incubation time is complete, the buzzer will sound to indicate the end of the process.

Power On/Off

- Power On: Connect the power cord and turn on the power switch. The temperature and time digital display lights will illuminate, and the instrument will enter operational mode.
- Power Off: After using the instrument, turn off the power switch and unplug the power cord to disconnect the power supply. (Note: Before powering off the instrument, ensure that all incubation reagents have been removed from the incubator in a timely manner.)

Routine Maintenance and Care

1. Check the power cable and connectors for wear or damage. Plug in the power cable, turn on the rear power switch, and check if the temperature display is functioning. Ensure the temperature reaches the set value within the specified time. 2. Before turning on the device, check the surface for dust or stains. If present, clean with medical alcohol wipes or non-woven cloth. Use the device only after the liquid has fully evaporated. 3. Operators are advised to wear medical gloves and follow standard procedures during use. 4. If any temperature deviations or issues occur during use, contact our company or distributor promptly. 5. This is a high-precision instrument. Handle it with care, operate according to our technical guidelines, and ensure it is placed in a ventilated, dry area away from direct sunlight, heat sources, and liquids.

After-Sales Service Instructions

To ensure comprehensive service support for our customers after purchasing the instrument, our company makes the following service commitments: From the date of purchase, within one year, if the instrument is operated and maintained correctly as per the user manual, any malfunction will be covered under free after-sales service. For issues caused by improper operation, maintenance, or beyond the warranty period, our company and authorized agents will provide repair services for a fee.

Upon receiving a customer complaint about a malfunction, our after-sales service department will respond promptly to address the issue.