



Digital Water Bath

Model HH-4/HH-6

INSTRUCTION MANUAL



C & A Scientific Co., Inc.

7241 Gabe Court
Manassas, VA 20109-2434 USA

Tel: 703-330-1413

Fax: 703-330-7510

www.cnascientific.com

BRIEF INSTRUCTION

The digital display thermostat stirring circulating water tank widely use for dipping reagent, medical material and biological sample, also used for conducting temperature experiment. It is an essential laboratory instrument in the scientific, educational and productive department of plant, biology, micro-biology, medicine, environmental protection, etc.

It has main features:

1. The water tank is made of stainless steel with corrosion-resistant wells.
2. Auto-control temperature with digital display.
3. Easy operation.
4. It can stir to maintain consistent water temperature.

TECHNICAL DATA

Model	HH-4	HH-6
Wells	4	6
Heat Power	1000W	1500W
Fuse	8A	10A
Temperature control range	Normal temperature – 100℃	
Temperature tolerance	≤ ±0.5℃	
Temperature rising time	≤70mins (from normal temperature to 100℃)	
Stirring speed	0-1000r/min	
Stirring power	3-6W	
Voltage	AC110V; 60Hz	
Using condition	Temperature 5℃-40℃ ; Humidity≤80%	

SAFETY WARNING

1. Please read instruction manual in detail before using machine.
2. Please use clear water and the heating pipe should be under the water surface 50cm.
3. Please add suitable amount water whenever necessary if the water surface is under the lowest waterline.
4. Plug the unit into a grounded power socket capable of supporting the unit as indicated.
5. When heating, please don't touch parts of machine to avoid potential scald/burn.
6. Use in well ventilated space. Do not block any vents on the unit.
7. Please ask the technician to solve the problem if the wire and the plug are damaged or the electric appliances are in trouble. It will cause quality problem if not using recommended appliances by the manufactured factory.
8. Disconnect from power before changing fuse.

OPERATING INSTRUCTIONS:

1. Fill suitable amount of clear water into tank.
2. Put temperature knob in low position.
3. Connect power and turn on power switch.
4. Turn on “Set” switch, adjust temperature knob to set temperature as your requirement and digital show degree you set. The machine will begin to heat and yellow light will be bright.
5. Turn on “Survey” switch, digital display shows water’s temperature which will rise as soon as the water’s temperature rise in tank.
6. When water’s temperature reach degree you set, heating stop and green light will be bright. When water’s temperature under degree, machine will heat automatically again.
7. Open stir knob and adjust stir speed to stir water, to cause water’s temperature
8. Avoid heater damage by always keeping sufficient water in tank.
9. Put temperature knob in lowest position and cut off power, after work finish.
10. When not being used for extended time, empty & dry tank.

NOTICE

1. Don’t use machine under blazing sunshine.
2. Do not move machine while it working.
3. Do not impinge machine.
4. Keep children away, while machine working.
5. Must cut off power before change fuse.

TROUBLESHOOTING

No.	Trouble	Solution
1	No digital display	Check whether the connection of power plug are good, or check the fuse if it bum down.
2	Digital display reads ”0000”	Check “Set” and “Survey” switch are ok, or wire connections are good.
3	Digital display ok, no heat	Check heater is ok, or check relay for control heating if bum down. If so please change it.
4	Digital show levity	Check control board if be damped
5	No stir	Check motor is good, or check switch is open.

Transportation and storage

1. Should be carefully transported, avoid to cause damage.
2. Don’t stack carton beyond 4 tier.
3. The storehouse should be desiccation and with good aeration, avoid to cause damp.