

# TB-H240-V1

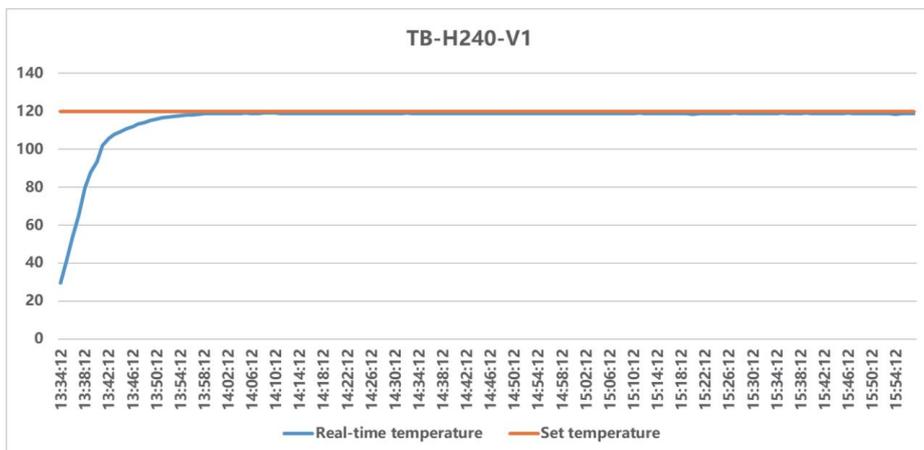
## Constant temperature bath



## Advantages

Efficient Heat Transfer Performance: Equipped with high-quality heating elements, temperature sensors, and intelligent PID temperature control technology, ensuring uniform and rapid heating.

1L silicone oil, set at 120°C, 500rpm, with a heating rate of 3.1°C/min, as shown in the temperature curve below.





**Transparent Glass Bath:** Good transparency for easy observation of the changes in the state of the reactants.



**Precise Temperature Control:** Optional magnetic stirrer for improved temperature uniformity within the bath, ensuring accurate temperature control.



**Remote Operation:** The operating unit (controller) is separated from the main unit, allowing safe operation up to a maximum distance of 1m (cable length). For example, the equipment can be used in narrow spaces (e.g., fume hoods or ventilation areas), while the controller remains unaffected by smoke and other contaminants.



**Safety Guard Design:** The bath comes with a protective guard mounted on a stand, preventing direct contact between the heating vessel and the instrument's heating tube, thus preventing potential hazards. It also helps to place beakers or other containers, making them less likely to tip over.

**Safety Protection Functions:**

1. Over-temperature Protection: If overheating occurs or the sensor malfunctions, the machine will display an error and stop heating.
2. Overcurrent Protection: In the case of a short circuit, the machine will automatically cut off the power supply to ensure operator safety.
3. Equipped with a safe grounding fault protection design.

**Temperature Calibration Function:** Features automatic temperature calibration and a factory reset function.

**Ease of Operation:** Simple design with an intuitive interface, making it easy for users to set and adjust the temperature.

## Application

Pharmaceuticals, pesticides, fragrances, dyes, pigments, additives, fibers, petrochemicals, pharmacy, physics, chemistry, industrial chemistry, polymers, functional molecules, applied chemistry, and other fields.

specifications	TB-H240-V1
Glass bath tub size	Ø150×100mm
Temperature display	LED
Heating temperature range	25-240°C
The temperature control accuracy of heated liquids.	±0.5°C
Overheat protection.	280°C
Temperature display accuracy	0.1°C
External temperature sensor	PT1000
Protection Class	IP21
power	360W
Heating power	350W
Voltage, Frequency	100-120/200-240V, 50/60Hz;
Dimension [WxDxH ]	310×220×135mm
Weight	2.2kg
Permissible ambient temperature and humidity	5-40°C, 80%RH