

## Smart Constant Temperature and Humidity Incubator



### Introduction:

Thermostatic & humidity box is a high-end product, it is tailored with a human-machine interface. It is intended to provide a smart, application-oriented, professional thermostatic & humidity equipment to meet the high-end need of modern laboratories. The thermostatic & humidity box has a temperature & humidity control system of high precision. It provides various simulated environment conditions for industrial research and biotech tests. It can be widely used for stability tests of medicines, textiles and food processing as well as stability tests and raw performance tests and tests for packaging service life.

### Features:

- 1.Extra large touch screen, fuzzy PID control, programmed multi-sectional parameter setting, easy programming operation;
- 2.Balanced temperature & humidity regulation, imported compressor, frequency-converted refrigeration system, quick temperature restoration after door opening;
- 3.PID adjustment, completely independent heating system, not affecting refrigeration or control line;
- 4.Modular humidity independent system: heating and humidifying more convenient; culturing, humidifying and humidity removal system completely independent;
- 5.Imported high humidity sensor operating under the environment of high humidity.
- 6.Protection against overheating, sensor failure, crepage, switch-off and door opening, alarming against water shortage, function of system recovery after power resumption;
- 7.Independent alarming system for temperature limit: ensures automatic termination in case the temperature exceeding the limit, thus ensuring safety of experiment without accident;
- 8.Double door structure: with the inner door made of fully toughened glass can effectively prevent water condensation. Box with 25mm diameter test hole or cable on the left side of box; data storage function;
- 9.Equipped with a printer and fitted with a USB interface, capable of recording variations of temperature and humidity parameters;
- 10.The instrument can be fitted with a chartless recorder for recording temperature & humidity curves (optional);
- 11.GPRS short message alarming option (optional);
- 12.Temperature range selectable: -10~85°C, -20~85°C, -40~85°C (optional);

### Technical Parameters:

Model	BJPX-HT250S
Volume	250L
Ambient temperature	5 – 35°C
Temperature range	0 – 80°C
Temperature uniformity	0.1°C/±1°C
Temperature fluctuation	±0.5°C
Humidity control range	35 – 95%RH
Humidity fluctuation	LHP ±5%RH / USE ±3%RH
Temperature regulation mode	Balanced temperature & humidity regulation
Power supply	AC220V 50Hz
Size of opening chamber (mm)	528×480×1000
Dimensions (mm)	672×700×1708
Shelves (Normal)	4
Timing range	1 – 9999min