



Product Overview

Precision constant temperature and humidity incubator with precise temperature and humidity control system, provides industry research, biotechnology testing with various environmental simulation conditions, can be widely used in medicine, textile, food processing and other aseptic test, stability inspection and material performance of industrial products, product packaging, product life test.

Product Features

- Using self-developed patent external humid humidifying technology, high precision of reliable operation.
- Imported fluoride-free compressor, long service life, energy conservation and environmental protection.
- Angle of circular arc transition seamlessly, facilitate clean, unfavorable breeding ground for bacteria.
- Plate is made of high quality 304 stainless steel bar processing forming, large capacity, and adopt the new design: Convenient for workshop disinfection and cleaning.
- Double door design, interior door for glass door, convenient for the user real-time observation experiment.
- Interior is equipped with a power socket, and is equipped with lighting and germicidal lamp, facilitate work indoor lighting and sterilization.
- Large screen LCD screen, all with display function parameters, combined with the human touch button design, make the control clearer and more intuitive. with circulation airflow stepless regulating function. refrigeration system dust filter design, convenient and clean dust.
- PID control method, little fluctuation in temperature and humidity control, operation page menu type, simple, easy to operation.
- Parameter can be automatically saved under the condition of a power outage and run the setup program after the electricity.
- Presetting 1-30 program is running, 0 -- 99 cycles can be repeated (when the cycle is set to 0, the continuous cycle will work)
- Temperature, humidity, time, and speed, and can be more ladder program control, to simplify the complex test process, realize the automatic control and operation.
- When equipment failure, liquid crystal display failure information, operation fault in the clear.
- Security functions
 - Independent limit temperature alarm system, to ensure safe operation.
 - Abnormal temperature (too high or too low) alarm
 - Leakage protector switch equipment.
 - With functions of water shortage alarm prompt.

- Optional functions (optional)
 - RS485 or USB interface and software.
 - Implement dynamic data record, data communications, graphics display, fault analysis.
 - Optional printer system for data record, in line with the GMP standard.
 - Wireless alarm system (SMS alarm system). If the user of the equipment is not on the site, when the equipment fails, the system will timely collect the fault signal and send it to the designated receiver's mobile phone through SMS in the first time to ensure timely troubleshooting and resume the test to avoid causing unexpected losses.

Main Technical Parameters

Model	PTH-110	PTH-150	PTH-250	PTH-350
Volume (L)	110	150	250	350
Controller type	P.I.D Micro-computer controller			
Temperature control range (°C)	0 - 60			
Temperature resolution (°C)	0.1			
Temperature uniformity (°C)	±1			
Temperature fluctuation (°C)	Balanced operation ±0.2 Intermittent operation±0.5			
Humidity range	30% - 90%RH			
Humidity deviation	±3%RH			
Programmable function	Temperature and humidity can be set for 30 sections of the program. Each section can be set for a time range of 1-99 hours			
Standard shelves	2		3	
Max. number of shelves	10	14	20	25
The input power	800W	1000W	1500W	2000W
The power supply	AC220V 50HZ			
Operating environment temperature	+5 - 35°C			
Continuous running time	Can run continuously for a long time			
Internal dimension (MM)	500X400X550	500X400X750	550X550X850	550X550X1140
External dimension (mm)	640X668X1210	640X668X1410	690X820X1510	690X820X1800