

OVENS & INCUBATORS



The Iris laboratory incubator is widely used in the process of drying, sterilisation, heated storage, heat treatment and other fields in laboratories and research units.

The IP-100 Touchscreen Laboratory Incubator adopts the international advanced cavity preheating technology, to meet different temperature requirements and provide a constant temperature environment, with the thermal insulation, to ensure the smooth progress of the experiment and culture of the sample as well as IQ, OQ, PQ and other related certification services.

- Integrated, dot-matrix LCD display, Chinese and English subtitles, design for the highest operational comfort.
- User-friendly design. Display parameters: temperature, humidity, cycle, run time, run/stop.
- Adaptive PID controller precisely controls the temperature and humidity, prevent temperature soaring, keep working room temperature stable and uniformity.
- User password protection, built-in multifunctional memory menu, connect to multiple devices (up to 16 units), real-time monitoring.
- To meet customer needs, Time setting: 0-99h, 0-9999min
- All set operations are recognized voice prompts, easy to operate.
- Can use the remote control of computer software, professional supporting the operation ALLSENS™ programmable software (optional).

Precision Heating Incubator IP-1000 Series

Modern high-class laboratories recommend to use ,suitable culture temperature environment with higher requirements for users



Apply to such as cultivation of microorganisms industries, the necessary equipment for healthcare, biotechnology, agriculture and scientific experiments.

- Precision LCD microcomputer intelligent PID control system, with temperature control, timing and over-temperature alarm, with RS485 computer interface;
- With standard international brands cooling fan, maintenance-free, durability. Perfect combination of duct design to ensure temperature uniformity for the working chamber;
- Mirror stainless steel inner, anti-acid, anti-corrosion characteristics. Corners semicircular is easy to clean, up and down pitch adjustable shelf;
- Electric film heating elements made of carbon fiber ,with advanced cavity preheating, the cavity temperature to reduce temperature fluctuations.
- Portable integrated data printer
- intelligent programmable temperature controller
- independent limit of the temperature controller
- Microcomputer communications software

Model	IP-1050		IP-1080		IP-1160	
Interior Volume (L)	50		80		160	
Interior Volume (Cubic feet)	1.6		2.8		5.6	
Convection Mode	Forced Convection					
Control System	Microprocessor PID					
Temp. Range ???	RT+3? ~ 65?					
Temp. Accuracy???	±0.1?					
Temp. Fluctuation ???	±0.5?in the of range 3?50??					
Temp. Uniformity	1%?in the of range 3?50??					
Internal Dimensions (H×W×D) mm	380*380*350		480*480*350		600*600*450	
External Dimensions (H×W×D) mm	580*530*600		680*630*600		800*750*700	
Timer Range	0?999min					
Working environment	Ambient temperature?10~30?, Humidity<70%					
Insulation materials	High Quality environmental protection type material					
Interior steel materials	SUS304 stainless steel inner					
The number of standard tray	2					
Power?W?	0.3		0.3		0.45	
Net weight (KG)	31		42		57	
Shipping weight(KG)	34		45		61	
Packing size?mm? ?H×W×D?	700*610*680		800*710*680		920*830*780	
Electrical Requirements	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue Number						

Touch screen Laboratory Incubator IP-100 Series

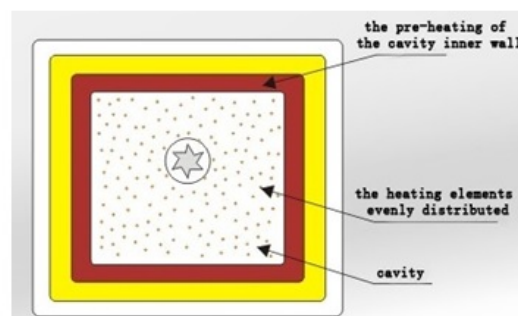
The IP-100 Touchscreen Laboratory Incubator is widely used in the process of drying, sterilization, heated storage, heat treatment, and other fields in laboratories and research units.



The IP-100 Touchscreen Laboratory Incubator adopts the international advanced cavity preheating technology, to meet different temperature requirements and provide a constant temperature environment, with the thermal insulation, to ensure the smooth progress of the experiment and culture of the sample as well as IQ, OQ, PQ, and other related certification services.

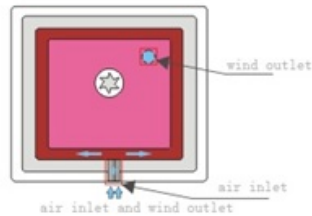
Warm-up technology

- The advanced cavity preheat technology is the heating elements evenly distributed around the tank, the pre-heating of the cavity inner wall, and then through the heat transfer and forced-fan convection so that the cavity temperature of every point can be accurately achieved and maintain settings, thus ensuring uniform distribution of cavity temperature;
- Uniform distribution of heat, so low energy consumption, heat not easily lost, and enables customers to use cost reduction.



Perfect air current cycling

1. Air current cycling: perfect forced convection, maximum samples number of working room, minimum temperature recovery time after the opening, world famous axial fan, perfect air current design, ensure an ideal result of samples culture.
2. Air current cycling: keep temperature continuous and stable, the wind speed can be adjusted, with fan switch function, ensure perfect sample culture environment



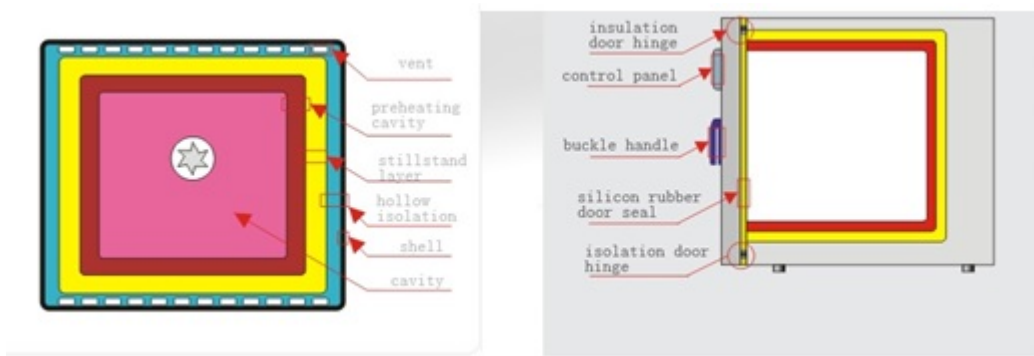
Programmable PID control

- Integrated, dot-matrix LCD display, Chinese and English subtitles, design for the highest operational comfort.
- User-friendly design. Display parameters: temperature, humidity, cycle, run time, run/stop.
- Adaptive PID controller precisely controls the temperature and humidity, prevent temperature soaring, keep working room temperature stable and uniformity.
- User password protection, built-in multifunctional memory menu, connect to multiple devices (up to 16 units), real-time monitoring.
- To meet customer needs, Time setting: 0-99h, 0-9999min
- All set operations are recognized voice prompts, easy to operate.
- Can use the remote control of computer software, professional supporting the operation programmable software (optional).



Isolation Insulation Technology

1. Based on the effective use of heat as a concept, use complete isolation design between the liner and shell to avoid energy loss due to heat transfer.
2. Imports of high-density thermal insulation material wrapped liner, Based on the effective use of heat as a concept, use complete isolation design between the liner and shell to avoid energy loss due to heat transfer.
3. Silicone door seal, isolation type hinge design, with the door handles, belt fastening to ensure tightness.



Excellent imported sensor

Imported industrial sensor PT100, short response time, low self-heating temperature.



Ergonomic design

- Laboratory of classical color design, international fashion design, arc-shaped design, for highest operational comfort.
- Integrated design that contains original outside handle and LCD screen, ergonomic structure, comfortable viewing angle, convenient to open the outside door and operate interface.
- Interval and number of mesh shelf can be adjusted according to customer requirements. Maximum capacity to meet customer needs.
- Comfortable vertical structure, maximize work chamber, working room in the upper, convenient to take.
- Double door design, easy observation samples, keep temperature stability, with bell-type lighting system.



Modern manufacturing processes

Sheet metal parts use laser cutting and CNC bending technology. Cold-rolled sheets use three line of acidification anti-rust technology. Incubator surface use workmanship of spraying plastics.

Easy to clean

- Internal surface is smooth and less weld, easy cleaning and maintenance.
- Pull multilayer shelf design, less metal accessories, easy to clean.

Convenient maintenance

- Liquid crystal micro-computer controller with diagnostic function. Display operating parameters including historical record, temperature and humidity data.
- Electrical control components and working room are installed separately. installed behind incubator, easy to maintenance.

Secure and efficient protection concept

- Multiple over temperature protection function, sound and light alarm.
- Automatic double over temperature protection function.
- All electronic components are UL certified.
- All over temperature protection devices meet Germany standard DIN standard D12880 Class 3.1.

Model	IP-400		IP-700		IP-1300	
Convection Mode	Forced Convection					
Control System	Microprocessor PID					
Temp. Range ???	RT+3? ~ 65?					
Temp. Accuracy???	0.1					
Temp. Fluctuation ???	±0.5?in the of range 3?50??					
Temp. Uniformity	1%?in the of range 3?50??					
Internal Dimensions (H×W×D) mm	350×350×350		450×450×350		550×550×450	
Timer Range	0?99h?or 0?9999min?can be choose					
Working environment	Ambient temperature?10~30?, Humidity<70%					
Insulation materials	Imported environmental protection type material					
External Dimensions (H×W×D) mm	570×580×593		670×680×593		770×780×693	
Interior Volume (L)	40		70		130	
Interior Volume (Cubic feet)	1.5		2.5		4.6	
Interior steel materials	SUS304 stainless steel inner					
The number of standard tray	2					
Power?W?	770		970		1270	
Net weight (KG)	40		48		65	
Shipping weight(KG)	43		51		69	
Packing size?mm? ?H×W×D?	690×660×680		790×760×680		890×860×780	
Electrical Requirements	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue Number						

