

OVENS & INCUBATORS





Iris laboratory ovens are designed to heat up materials and samples within a thermally insulated chamber. Our ovens provide superior temperature uniformity and stability throughout the inside chamber, keeping your valuable work protected. Their innovative technology makes for outstanding versatility, making them ideal for a variety of applications.

Laboratory Drying Oven IOG-1000 Series

The IOG Series Digital Drying Oven is widely used in drying process, sterilisation, thermostatic storage, heat treatment and other fields, is the basis equipment of the laboratory and research units, but not for volatile, flammable, explosive items, in order to avoid causing an explosion.



- Precision LCD microcomputer intelligent PID control system, with temperature control timing and over-temperature alarm function, with RS485 computer interface.
- With standard international brands cooling fan, maintenance free, durability. Combined with optimisation of air circulation system for heating supply, to ensure temperature uniformity in the inner chamber.
- Mirror stainless steel inner, anti-acid, anti-corrosion characteristics.
- High temperature resistant silicone for sealing the door, high-temperature heat pipes for the heating element to ensure safety and use for long time.
- Semi-circular corners inner chamber is easy to clean.

Model	IOG-40		IOG-70		IOG-130		IOG-230	
Interior Volume (L)	40		66		128		225	
Interior Volume (Cubic feet)								
Convection Mode	Forced Convection							
Control System	Microprocessor PID							
Temp. Range ???	RT+5? ~ 250?							
Temp. Accuracy???	±0.1?							
Temp. Fluctuation ???	±1??in the of range 50?240??							
Temp. Uniformity	±1?							
Internal Dimensions (H×W×D) mm	320*350*350		420*450*350		520*550*450		750×600×500	
External Dimensions (H×W×D) mm	530*640*550		630*740*550		750*890*630		980*965*770	
Timer Range	0?999min							
Working environment	Ambient temperature?10~30?, Humidity<70%							
Insulation materials	Imported environmental protection type material							
Interior steel materials	SUS304 stainless steel inner							
The number of standard tray								
Power?KW?	1		1.2		1.6		2.5	
Net weight (KG)	36		47		62		96	
Shipping weight(KG)	39		50		66		105	
Packing size?mm? ?H×W×D?	650*720*630		750*820*630		870*970*710		1100*1045*850	
Electrical Requirements	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue Number								

Touch Screen Programmable Drying Oven - IOP Series

IOP Series **Programmable** Touch Screen Drying Oven widely used in the process of drying, sterilization, heated storage, heat treatment and other fields in laboratories and research units.



IOP Series **Programmable** Touch Screen Drying Oven adopts the 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.

Cavity 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 achieve and maintain settings, thus ensuring uniform distribution of cavity temperature.

Perfect air current cycling

1. 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. 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 sensor

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

1. Internal surface is smooth and less weld, easy cleaning and maintenance.
2. 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	IOP-400		IOP-700		IOP-1300	
Convection Mode	Forced Convection					
Control System	Microprocessor PID					
Temp. Range (°C)	RT+5? ~ 250?					
Temp. Accuracy (°C)	0.1					
Temp. Fluctuation (°C)	±1?in the of range 50?240??					
Temp. Uniformity	2%?in the of range 50?240??					
Internal Dimensions (H×W×D) mm	350×350×350		450×450×350		550×550×450	
Timer Range	0?999h?or 0?9999min?can be choose					
Working environment	Ambient temperature?10~30?, Humidity<70%					
Insulation materials	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)						
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						

Vacuum Oven IOV-1000 Series

The Iris Vacuum Drying oven widely used in biochemical, chemical and pharmaceutical, health care, agricultural research, environmental protection and other research fields, for powder Drying and roasting, as well as used for disinfection and sterilisation of glass containers. Particularly suitable for easily oxidised, decomposed material, complex composition or heat-sensitive items



The Vacuum environment greatly reduces the need to get rid of the liquid boiling point, so the vacuum can be easily applied for Drying heat-sensitive material, for the sample which is not easy to dry, such as powder or other granular items, should use vacuum Drying to shorten the Drying time.

- Interior chamber use streamline arc design, the outer is made of cold-rolled steel plate, the surface use the electrostatic spray.
- Liner is made of stainless steel or cold rolled material, easy to clean because of corners semicircular.
- The door's elastic of the oven can be adjusted by the customer.
- Overall shape of the silicone rubber door seal ensure a high vacuum environment in the oven, control panel with microcomputer control, solenoid control and vacuum valve switch.
- With timing and over-temperature alarm function, the door use double layer glass, easy watched inner chamber at a glance

Model	IOV-1020		IOV-1040		IOV-1060	
Interior Volume (L)	220 L		220 L		220 L	
Interior Volume (Cubic feet)						
Convection Mode	Natural convection?Activities clapboard thermal conductivity?					
Control System	Microprocessor PID					
Temp. Range (°C)	50? ~ 200?					
Temp. Accuracy (°C)	±0.5?					
Temp. Fluctuation (°C)						
Temp. Uniformity						
Internal Dimensions (H×W×D) mm	280×300×300		400×415×350		485×440×425	
External Dimensions (H×W×D) mm	450×635×465		570×750×515		620×780×600	
Timer Range	0?999min					
Working environment	Ambient temperature?10~30?, Humidity<70%					
Insulation materials	Imported environmental protection type material					
Interior steel materials	SUS304 stainless steel inner					
The number of standard tray	2					
Power?kw?	0.9		1.4		2.4	
Net weight (KG)	42.5		65		105	
Shipping weight(KG)	52.5		75		130	
Packing size?mm? ?H×W×D?	570×720×545		690×830×600		740×860×680	
Electrical Requirements	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue Number						

