Bioevopeak

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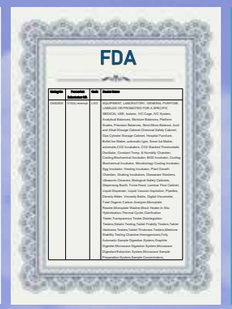
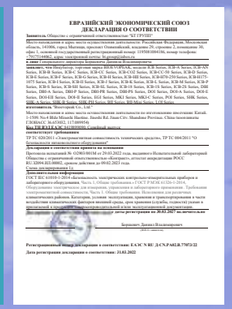
Bioevopeak

INCUBATORS

ABOUT US

BIOEVOPEAK is a research-and service-driven enterprise in laboratory field with the mission of continuously improving the intelligence, precision, safety and convenience of the laboratory. Based on independent manufacturing capability, professional integration of worldwide laboratory resources and localized after-sales service network, we provide one-stop service for all customers.





CONTENT

Heating Incubator, ICB-B Series

ICB-30B ICB-45B ICB-65B ICB-125B
ICB-30BE ICB-45BE ICB-65BE ICB-125BE

Specifications

Model / Standard type / Functional type	ICB-30B / ICB-30BE	ICB-45B / ICB-45BE	ICB-65B / ICB-65BE	ICB-125B / ICB-125BE
Voltage(V)	220V/50HZ			
Temperature variation (℃)	RT+5~80℃			
Temperature fluctuation(℃)	±1.0℃			
Temperature resolution(℃)	0.1℃			
Ambient temperature (℃)	+5～40℃			
Heating power(kw)	1.5	2.5	5.0	6.0
Interior dimensions	310×310×310	350×350×350	400×360×450	500×450×550
Exterior dimensions (W×D×H)(mm)	460×510×695	500×550×735	550×550×840	636×680×915
Packaging dimensions (W×D×H)(mm)	550×570×765	620×585×800	640×640×905	730×720×1000
Load per rack(kg)	15/kg 2 for standard configuration			
Net weight/Gross weight (kg)	38/51	41/54	42/59	57/71
Timing range	1-9999min			

Standard type

- The working room is made of high-quality mirror-finished stainless steel, and the four corners are in arc transitions.The surface is treated by anti-corrosion process.The spacing of the partitions is adjustable. The quick detachable structure of the bottom heating cover is convenient for cleaning.

- The shell is made of high-quality cold-rolled steel plate, and the surface is treated by electrostatic spraying process.
- The PID microcomputer intelligent temperature controller has functions such as precise timing of temperature control, over-temperature alarm, precise temperature control, and convenient reading.

- The box door with new structure has good heat insulation effect.There is a double-layer tempered glass observation window with a large viewing angle in the middle, equipped with a lock-type elastic adjustment door lock, and a high-temperature resistant silicone sealing strip to ensure good tightness and prevent heat loss.
- The heating power has two gears, which can meet the needs of users at high and low temperature.

Functional type

In addition to the standard functions, it also has the following functions:

- Large-screen LCD display.
- The independent temperature limit system has the function of over-temperature interruption. When the main controller fails, it will alarm and cut off the output in time, which double protects the safety of the experiment.

Packing Accessories

Heating Incubator, ICB Series

ICB-20 ICB-30 ICB-40 ICB-50 ICB-80
ICB-81 ICB-140 ICB-160 ICB-250 ICB-270

ICB-40 ICB-81
ICB-140 ICB-250

ICB-20 ICB-30 ICB-50
ICB-80 ICB-160 ICB-270

Specifications

Temp. Fluctuation: ±0.5℃.
Temp. Uniformity: ±1℃
Temp. Resolution: 0.1℃
Power Supply: AC 220V, 50Hz

Options:

1.Multi-segment programmable control
2.Built-in printer
3.RS485 interface
4.UV sterlizer

Features

- Large LCD screen display.
- Microprocessor controller(with temperature correction and timing function).
- Optional printer or RS485 interface which can print or connect computer to realize remote control and alarm.

- Unique air duct design, good temperature uniformity.
- High quality stainless steel chamber, removable shelf, easy-to-clean.
- Silicon sealing ring for reliable sealing.
- With inner glass door for easy observation,open the outer door for observation will not affect the temperature inside.

- Anti-hot handle
- Equipped with leakage protection.
- Equipped with spare temperature control which ensures the product work normally even the main temp.control failed.

Specifications

Model	ICB-20	ICB-30	ICB-40	ICB-50	ICB-80	ICB-81	ICB-140	ICB-160	ICB-250	ICB-270
Temp. Range	RT+ 5℃~66℃	RT+ 5℃~66℃	RT+ 5℃~80℃	RT+ 5℃~66℃	RT+ 5℃~66℃	RT+ 5℃~80℃	RT+ 5℃~80℃	RT+ 5℃~66℃	RT+ 5℃~80℃	RT+ 5℃~66℃
Exterior Size(W×D×H)cm	38×35×62	43×40×65	64×50×60	48×46×73	53×50×83	73×53×69	78×69×80	63×60×97	88×73×95	73×70×107
Chamber Size(W×D×H)cm	25×25×32	30×30×35	35×35×35	35×35×41	40×40×50	45×40×45	50×50×55	50×50×65	60×60×70	60×60×75
Package Size(W×D×H)cm	46×45×67	51×50×70	75×63×77	55×53×76	68×58×85	85×66×86	90×76×98	70×68×100	100×86×110	80×78×120
Shelf	2	2	2	2	2	2	2	3	2	3
Power Rating(W)	150	180	450	250	300	700	850	450	1200	600
Net/Gross(kg)	25/30	28/34	40/60	32/38	45/55	50/75	75/110	65/78	100/140	88/105

Constant-Temperature Incubator, ICB-E Series

ICB-45E ICB-65E ICB-125E ICB-210E
ICB-45 ICB-65 ICB-125 ICB-210

Specifications

Model	ICB-45E / ICB-45	ICB-65E / ICB-65	ICB-125E / ICB-125	ICB-210E / ICB-210
Inner Chamber Size(W×L×H)(mm)	350×350×350	400×350×450	500×450×550	600×580×600
Exterior Size (W×L×H)(mm)	525×480×620	575×480×720	675×580×820	775×710×870
Packing Size (W×L×H)(mm)	560×600×800	655×572×875	680×770×990	855×802×1025
Shelf Number	7	9	13	14
Load per rack	15kg			
Shelf Space	35mm			
Current Rating	AC220V/1.1A	AC220V/1.1A	AC220V/2.3A	AC220V/2.7A
NW/GW (kg)	27/30	32/35	56/62	58/63
Accessory-Shelf	2			

Temp.Control Mode: PID Intelligent
Temp.Setting Mode : Touch button setting
Temp.Display Mode: Measuring temperature: LED upper row;setting temperature: the lower row
New panel 5 degree angle, new glass inner door knob switch.

The double door structure adopts high quality glass, easy to observe samples, the door with magnetic strip is easy to be opened and closed, good sealing and open door power-off function.

Specifications

Model	ICB-45E / ICB-45	ICB-65E / ICB-65	ICB-125E / ICB-125	ICB-210E / ICB-210
Cycle Mode	Cycle Mode			
Function				
Temp. Range	RT+5-70℃			
Temp. Resolution Ratio	0.1℃			
Temp. Motion	±0.5℃			
Temp. Uniformity	±1.5℃			
Structure				
Inner Chamber	without E: mirror stainless steel; with E: High strength galvanized sheet			
Outside Material	Cold rolling steel electrostatic spraying exterior			
Insulation Layer	High quality foam board			
Heater	Mica electrothermal film			
Power Rating	0.35kW	0.45kW	0.6kW	0.7kW
Exhaust Hole	φ28mm top with function of test hole			
Controller				
Temp. Control Mode	PID Intelligent			
Temp. Setting Mode	Touch button setting			
Temp. Display Mode	Measuring temperature: LED upper row;setting temperature: the lower row			
Timer	0-9999min (with timing wait function)			
Operation Function	Fixed temperature operation,timing function, auto stop.			
Additional Function	Sensor deviation correction, temperatureovershoot self-tuning, internal parameterlocking, power-off parameter memory			
Sensor	PT100			
Safety Device	Over temperature sound-light alarm			

Constant Temperature Incubator, ICB-P Series

ICB-45P ICB-65P ICB-125P ICB-210P

Standard lights, UV lamps, with breeze circulation fan.
High precision digital independent temperature limiter.
With function of cutting off UV lamp by open door.

Specifications

Model		ICB-45P	ICB-65P	ICB-125P	ICB-210P
Inner Chamber size(W*L*H)(mm)		350*350*350	400*350*450	500*450*550	600*580*600
Exterior size (W*L*H)(mm)		525*480*620	575*480*720	675*580*820	775*710*870
Packing size (W*L*H)(mm)		605*572*775	655*572*875	755*672*975	855*802*1025
Volume		45L	65L	125L	210L
Shelf number		7	9	13	14
Load per rack		15kg			
Shelf space		35mm			
Supply(50/60HZ)Current rating		AC220V/1.1A	AC220V/1.1A	AC220V/2.3A	AC220V/2.7A
NW/GW (kg)		27/30	32/35	45/49	58/63
Accessory	Shelf	2			
	Shelf frame	4			
Optional Accessories		Shelf, USB interface, printer, recorder,External Communication, remote control,wireless SMS alarm			

The double door structure adopts high quality glass, easy to observe samples, the outdoor with magnetic strip is easy to be opened and closed, good sealing, open door power-off function.

Specifications

Model	ICB-45P	ICB-65P	ICB-125P	ICB-210P
Cycle Mode	Breeze circulation			
Function				
Temp. Range	RT+5~70℃			
Temp. Resolution Ratio	0.1℃			
Temp. Motion	±0.5℃			
Temp. Uniformity	±0.8℃			
Structure				
Inner Chamber	Mirror stainless steel			
Outer Shell	Cold rolling steel electrostatic spraying exterior			
Insulation layer	High quality foam board			
Heater	Mica electrothermal film			
Power Rating	0.35kW	0.45kW	0.6kW	0.7kW
Exhaust hole	φ28mm top(with function of test hole)			
Controller				
Tem. control mode	PID Intelligent			
Tem. setting mode	Touch button setting			
Tem. display mode	Digital temperature: LCD upper row;Setting temperature: the lower row			
Timer	0-9999 min (with timing wait function)			
Operation function	Fixed temperature operation,timing function, auto stop.			
Additional funciton	LED Floodlight, Sensor deviation correction			
	Temperature overshoot self-tuning			
	Power-off parameter memory			
Sensor	PT100			
Safety device	Digitial, over temperature sound-light alarm			

Desktop Constant-Temperature Incubator, ICB-18 Series

ICB-18 ICB-18E

Specifications

Model		ICB-18E /ICB-18
Inner Chamber size(W*L*H)(mm)		260*260*260
Exterior size(W*L*H)(mm)		380*455*568
Packing size(W*L*H)(mm)		480*520*630
Volume		18L
Shelf number		6
Load per rack		15kg
Shelf space		29mm
(50/60HZ)Current rating		AC220V/0.8A
NW/GW (kg)		27/35
Accessory	Shelf	2
Optional Accessories		Shelf, Programmable controller

Description

In the workroom the hot air is convective naturally and cyclically

Digital display microcomputer intelligent PID temperature

New anti-hot handle

Specifications

Model		ICB-18E /ICB-18
Cycle Mode		Natural convection
Function	Temp. Range	RT+5-65℃
	Temp. Resolution Ratio	0.1℃
	Temp. Motion	±0.5℃
	Temp. Uniformity	±2.0℃
Structure	Inner Chamber	Without E model: mirror stainless steel;
		With E model: High strengthgalvanized sheet
	Outer Shell	Cold rolling steel electrostatic spraying exterior
	Insulation layer	High quaility rock wool board (with CE)
	Heater	Nickel chromium alloy heating wire
	Power rating	0.18kW
	Exhaust hole	ϕ28mm top (with function of test hole)
Controller	Temp. control mode	Two temperature section intelligent PID
	Temp. set mode	Touch button setting
	Temp. displaymode	Measuring temperature: display on the four digital tubes upper row;
		Setting temperature: display on the lower row
	Timer	0-9999min(with timing wait function)
	Operation function	Fixed temperature operation, timing function, auto stop
	Additional function	Sensor deviation correction, temperature over shoot self-tuning,
		internal parameter locking, power-off parameter memory
	Sensor	PT100
Safety Device		Over temperature sound-light alarm

Heating Incubator

ICB-30E ICB-50E ICB-80E ICB-160E ICB-270E

ICB-30E

- Capacity: 30L, 50L, 80L, 160L, 270L.
- Temperature range: RT+5-65℃
- Test hole： Optional ϕ25,50,80mm
- Safety device: Leakage protector/ Over- temperature alarm

ICB-50E
ICB-80E
ICB-160E
ICB-270E

Description

- It is a requisite device for strain storage, biological culture and scientific research in colleges and universities, biological, agricultural or scientific research sectors and other departments.

Features

Energy-saving

- The sealing ring of incubator adopts a new type of synthetic silicone sealing strip, which effectively prevents heat loss.
- Automatically adjust the control parameters according to the ambient temperature and load to achieve the optimal heating method and reduce energy consumption.

Intelligent control

- High efinition LCD display, real-time parameter display, simple and convenient operation.
- Menu-type operation interface, simple and convenient operation, can quickly set temperature and time parameters.
- Running function: fixed value running, timing running, the screen displays "END" when the running time is completed, accompanied by a buzzer reminder.

Internal circulation system

- Adopts high-quality fan and large impeller fan, the machine has higher ventilation efficiency and better temperature uniformity.
- The circulation system adopts the back suction and the air circulation on both sides mode.
- The shelf is laser hollowed out with round holes for better ventilation and better temperature uniformity.

Dedicated sheet metal processing

- The shelf can be disassembled and can be freely adjusted up and down, with a minimum spacing of 30mm.
- The inner tank is made of high-quality brushed stainless steel, with strong corrosion resistance.

Humanized design

- Built in observation window to make the objects in the chamber clear at a glance.
- The anti-scalding design of the door handle makes it easy to open and close the door.

Safety

- Equipped with leakage protection device to ensure the safety of operators and other equipment in the laboratory.
- The insulation material is made of high-quality aluminum silicate silk cotton, and the insulation layer of the box is thickened.
- With over temperature control of visible& audible alarm system.
- Self-diagnosis function: display fault information, which is convenient for judging the fault point.

Specification

Model		ICB-30E	ICB-50E	ICB-80E
Capacity(L)		30	50	80
Circulation		Forced air convection		
Dimension (W*D*H)	Internal (mm)	320*300*315	350*350*410	400*400*500
	External (mm)	700*540*700	640*640*940	640*630*1030
Temper-ature	Range (℃)	RT+5-65		
	Fluctuation (℃)	0.5		
	Resolution(℃)	0.1		
	Uniformity(℃)	±1		
	Sensor	PT100		
Controller		PID		
Display		LCD		
Timer(min)		1-9999		
Material	Internal	Stainless steel		
	External	Electro-galvanized steel with antimicrobial powder coating		
Shelves		2		
Test Hole (mm)		Optional φ25,50,80		
Safety Device		Leakage protector/Over- temperature alarm		
Electricity	Voltage/Frequency(V/Hz)	220/50		
	Consumption (W)	200	210	280
N.W./G.W. (kg)		35/40	43/50	52/55
Shipping Dimension (W*D*H) (mm)		780*600*680	600*610*850	670*650*940
Optional		1.Independent temperature limiting controller 2.Intelligent LCD procedure temperature controller(Optional USB,RS485/232 and printer).		

Model		ICB-160E	ICB-270E
Capacity(L)		160	270
Circulation		Forced air convection	
Dimension (W*D*H)	Internal (mm)	500*500*650	600*600*750
	External (mm)	720*720*1180	960*850*1260
Temper-ature	Range (℃)	RT+5-65	
	Fluctuation (℃)	0.5	
	Resolution(℃)	0.1	
	Uniformity(℃)	±1	
	Sensor	PT100	
Controller		PID	
Display		LCD	
Timer(min)		1-9999	
Material	Internal	Stainless steel	
	External	Electro-galvanized steel with antimicrobial powder coating	
Shelves		3	
Test Hole (mm)		Optional φ25,50,80	
Safety Device		Leakage protector/Over- temperature alarm	
Electricity	Voltage/Frequency(V/Hz)	220/50	
	Consumption (W)	380	570
N.W./G.W. (kg)		85/95	103/110
Shipping Dimension (W*D*H) (mm)		800*790*1200	890*890*1300
Optional		1.Independent temperature limiting controller 2.Intelligent LCD procedure temperature controller(Optional USB,RS485/232 and printer)	

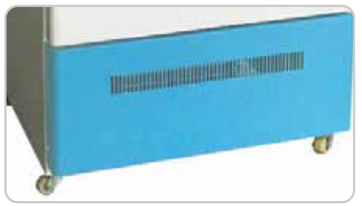
Biochemical Cooling Incubator, ICB-B Series

ICB-B80B ICB-B150B ICB-B250B
ICB-B80BX ICB-B150BX ICB-B250BX

Standard product characteristics

- Microcomputer control system, large-screen LCD display, with functions of time setting, parameter memory, and call recovery.

- Mirror stainless steel working room.
  The four corners are in semi-circular arc transition, which is easy to clean; And the shelf spacing is adjustable.
- There is a φ52mm test hole on the left side of the box, which is convenient for temperature measurement. The equipment in the working room is connected with the standard power socket outside the box.



- The brand compressor has fluorine-free refrigeration and breeze circulation.
- Double-sealed door structure.
  The inner door is sealed with high-quality tempered glass and silicone strips. The outer door adopts magnetic rubber strips, which is easy to open and close and has good sealing performance. The working room is equipped with lighting for easy observation.

Description

In addition to the function of standard biochemical incubator, the functional biochemical incubator also has the following characteristics:

- Self-diagnosis function, with sensor failure alarm, upper and lower limit over-temperature alarm function.
- Intelligent refrigeration and defrosting system to ensure frost-free operation of the working room.
- It has functions such as automatic operation, automatic stop, timing operation, call recovery, parameter memory, temperature display correction and so on.

Specifications

Model	Standard Type	ICB-B80B	ICB-B150B	ICB-B250B
	Functional Type	ICB-B80BX	ICB-B150BX	ICB-B250BX
Voltage（V）		220V/50HZ		
Temperature control range(℃)		0-65℃		
Temperature resolution (℃)		0.1℃		
Temperature fluctuation (℃)		±0.5℃		
Temperature uniformity (℃)		±1℃		
Heating power		300W	500W	800W
Refrigerant		R134a		
Ambient temperature (℃)		5-30℃		
Interior dimensions (W×D×H)(mm)		420×350×500	500×400×750	500×500×950
Exterior dimensions (W×D×H)(mm)		570×560×1020	640×620×1270	600×700×1470
Packaging dimensions (W×D×H)(mm)		730×720×1170	820×760×1430	880×825×1645
Net /Gross		59/85	68/97	71/115
Timing range		1-9999 min		
Load per rack		2pieces (15kg/piece)		

Biochemical Cooling Incubator, ICB-BII Series

ICB-B80 II ICB-B150 II ICB-B200 II
ICB-B250 II ICB-B300 II ICB-B400 II

- Imported compressor, automatic control for hot and cold.
- The surface coated, good appearance and maintenance.
- Equipped with leakage protection.
- Equipped with spare temperature control which ensures the product work normally even the main temperature control failed(for heating).
- RS485 connector to connect computer and printer, temperature and time data can be displayed on computer and print.

Options:

Multi-segment programmable control
Built-in printer
Φ25mm(50mm)test hole
RS485/232 connector
Wireless alarm system (SMS alarm system)

Microprocessor temperature control with large LCD display, high precision.

The chamber equipped with fan for forced convection. Equipped with lamp inside, easy observation.

Polished stainless steel chamber, moveable shelves can be freely adjusted, easy for cleaning. Equipped with power supply outlet inside.

Double door design, the inner door is made of tempered glass for easy observation, magnetic sealing design for outer door, good sealing.

Specifications

Model	ICB-B80 II	ICB-B150 II	ICB-B200 II	ICB-B250 II	ICB-B300 II	ICB-B400 II
Chamber Volume	80L	150L	200L	250L	300L	400L
Temperature Range	0~60 ℃					
Display Resolution	0.1 ℃					
Temperature Stability	Heating: ±0.5 ℃; Cooling: ±1 ℃					
Temperature Uniformity	±1 ℃					
Timing Range	1~9999mins					
Power Rating (W)	180	250	300	350	400	550
Refrigerant	R134a					
Power Supply	220±10%V 50Hz					
Continuous Operation	Long continuous operation					
Chamber Size(W×D×H)cm	40×37×55	45×42×85	45×45×100	48×49×107	52×50×117	58×54×127
Exterior Size(W×D×H)cm	54×57×107	59×62×137	59×64×152	62×68×159	66×69×169	72×74×179
Package Size (W×D×H)cm	70×73×126	75×78×156	75×80×171	78×84×178	82×85×188	88×90×198
Net/Gross Weight (kg)	50/85	90/120	95/138	103/147	115/157	135/170

Biochemical Cooling Incubator, ICB-B Series

ICB-B175P ICB-B275P ICB-B375P
ICB-B475P ICB-B800P ICB-B1075P

Microprocessor control with large LCD screen, easy menu operation and high precision.

Features

- Moveable shelves can be freely adjusted, easy for cleaning.
- Equipped with power supply outlet and lamp inside,easy observation.
- Double door design, the inner door is made of tempered glass for easy observation,magnetic sealing design for outer door, good sealing.

RS485 connector to connect computer and printer, temperature and time data can be displayed on computer and print.
External printer records temperature and time data in real time.

Polished stainless steel chamber
Imported compressor, automatic control for hot and cold.

Equipped with leakage protection.

Equipped with spare temperature control which ensures the product work normally even the main temperature control failed(for heating).

Specifications

Model	ICB-B175P	ICB-B275P	ICB-B375P	ICB-B475P	ICB-B800P	ICB-B1075P
Chamber Volume	175L	275L	375L	475L	800L	1075L
Temperature Range	-10~75 ℃					
Display Resolution	0.1℃					
Temperature Stability	±0.5℃					
Temperature Uniformity	±1℃					
Timing Range	0~99h59min					
Power Rating	300W	350W	450W	500W	800W	1000W
Refrigerant	R134a					
Power Supply	AC 220V±10%，50Hz±2%					
Continuous Operation	Long continuous operation					
Exterior Size(W×D×H)cm	61×62×150	74×71×157	75×75×173	86×75×182	113×93×198	101×90×224
Chamber Size(W×D×H)cm	45×42×93	58×51×93.5	59×55×116	70×55×125	96.5×61×137	95×70×160
Net/Gross weight（kg）	75/115	85/128	93/137	105/147	175/240	205/290

BOD Refrigerated Incubator, ICB-E Series

ICB-B70E ICB-B150E ICB-B250E
ICB-B70 ICB-B150 ICB-B250

Test hole of Φ52mm at left side of container. Double door seal; tempered glass silicon rubber seal inner door and magnetic rubber seal outer door, which are convenient to on/off; inner chamber with light for convenient observation.

Specifications

Model		ICB-B70E ICB-B70	ICB-B150E ICB-B150	ICB-B250E ICB-B250
Inner Chamber size(W*L*H)(mm)		420*350*500	500*500*600	600*500*840
Exterior size (W*L*H)(mm)		570*560*1030	640*620*1290	820*760*1450
Packing size (W*L*H)(mm)		730*720*1190	820*760*1450	880*825*1665
Volume		70L	150L	250L
Load per rack		15kg		
Shelf number		9	12	18
Shelf space		35mm		
Power Supply Current rating		AC220V/2.3A	AC220V/3.6A	AC220V/5.5A
NW/GW (kg)		69/92	86/114	100/139
Accessory	Shelf	2		
	Shelf frame	4		
optional accessories		Shelf, Touch screen controller, RS485 interface, Printer, Recorder, Remote control, Wireless SMS alarm, USB data storage		

Stainless steel inner chamber, foursquare senicicle transition, convenient to clean; space between shelves is adjustable.

Micro-computer control system; LCD with functions of time setting, parameter memorizing and power reset recovering.

Micro-computer control system; LCD with functions of time setting, parameter memorizing and power reset recovering.

Specifications

Model	ICB-B70E ICB-B70	ICB-B150E ICB-B150	ICB-B250E ICB-B250
Cycle Mode	Forced convection		
Function			
Temp. range	0～65℃		
Temp. Resolution Ratio	0.1℃		
Temp. Motion	High Temp.：±0.5℃	Low Temp.：±1℃	
Temp. Uniformity	±1.5℃		
Structure			
Inner Chamber	Mirror Stainless Steel		
Outer Shell	Cold rolling steel electrostatic spraying exterior		
Insulation layer	Polyurethane		
Heater	Stainless steel heater		
Power rating	0.8kW	1.0kW	1.2kW
Compressor	Air cooled hermetic compressor		
Cryogen	R134a		
Defrost structure	Automatic control intelligent defrosting		
Test hole	Inner diameter 43mm(one)		
Controlled external power supply	Outer universal socket (one), inner waterproof socket(one)		
Temp. setting mode	Touch button setting		
Temp. display mode	Measuring temperature: LCD upper screen; setting temperature: the lower row		
Timer	E model:0～99.9h Without E model:0～99.9h×30 segment(with timing wait function)		
Operation function	E model:Fixed value operation、timing function,auto stop.		
	Without E model：Program operation		
Sensor	PT100		
Additional funciton	E model:LED light, Deviation correction, Menu key lock, Power failure parameter memory		
	Without E model:Loop self diagnosis, sensor fault alarm		
Safety device	Over temperature alarm		

Cooling Biochemical Incubator

ICB-B70Z ICB-B100Z ICB-B150Z ICB-B250Z ICB-B350Z ICB-B450Z

ICB-B70Z
ICB-B100Z

ICB-B150Z
ICB-B250Z
ICB-B350Z
ICB-B450Z

Features

Energy-saving

The sealing ring of incubator adopts a new type of synthetic silicone sealing strip, which effectively prevents heat loss.

Automatically adjust the control parameters according to the ambient temperature and load to achieve the optimal heating method and reduce energy consumption.

High efficiency and energy saving compressor, stable temperature control and low power consumption.

Intelligent control

Large-screen LCD display, real-time display of parameters, self-locking function of screen, simple and convenient operation.

Menu-type operation interface, simple and convenient operation, can quickly set temperature and time parameters.

Running function: fixed value running, timing running; The screen will display "END" with a beeping reminder after the running time is completed.

Internal circulation system

Adopts high-quality fan and large impeller fan, the machine has higher ventilation efficiency and better temperature uniformity.

The circulation system adopts the back suction and the bottom vertical air supply mode.

The shelf is laser hollowed out with round holes for better ventilation and better temperature uniformity.

Dedicated sheet metal processing

The shelf can be disassembled and can be freely adjusted up and down, with a minimum spacing of 30mm.

The inner chamber is made of high-quality brushed stainless steel, with strong corrosion resistance.

Humanized design

Built in observation window to make the objects in the chamber clear at a glance.

The anti-scalding design of the door handle makes it easy to open and close the door.

Description

The product is applicable to scientific research institutes, colleges and production departments engaged in environmental protection, epidemic prevention, drug test, livestock and aquatic products. It's a dedicated thermostatic equipment for water analysis and measure, culture and conservation of bacteria, mucedine and microorganism, plant cultivation and breeding experiment.

- Equipped with leakage protection device to ensure the safety of operators and other equipment in the laboratory.
- With over temperature control of visible& audible alarm system.
- Self-diagnosis function: display fault information, which is convenient for judging the fault point.

Optional

Independent temperature limiting controller

Intelligent LCD procedure temperature controller(Optional USB,RS485/232 and printer)

Specification

Model		ICB-B70Z	ICB-B100Z	ICB-B150Z	ICB-B250Z	ICB-B350Z	ICB-B450Z
Capacity(L)		70	100	150	250	350	450
Circulation		Forced air convection			Forced air convection	Forced air convection	Forced air convection
Dimension (W*D*H)	Internal (mm)	450*350*450	510*380*510	505*380*800	550*450*1050	550*550*1150	700*550*1200
	External (mm)	720*650*1050	700*730*1140	730*690*1610	800*760*1930	800*850*1900	900*1150*2080
Temperature	Range (℃)	0~60			0~60		
	Fluctuation (℃)	±0.5			±0.5		
	Resolution (℃)	0.1			0.1		
	Uniformity (℃)	±1℃			±1℃		
	Sensor	PT100			PT100		
Controller		PID			PID		
Display		LCD			LCD		
Timer(min)		1-9999			1-9999		
Material	Internal	Stainless steel			Stainless steel		
	External	Electro-galvanized steel with antimicrobial powder coating			Electro-galvanized steel with antimicrobial powder coating		
Shelves		2	2	3	3	3	4
Test Hole (mm)		Optional φ25,50,80,100			Optional φ25,50,80,100		
Safety Device		Leakage protector/Over- temperature alarm			Leakage protector/Over- temperature alarm		
Electricity	Voltage/Frequency(V/Hz)	220/50	220/50	220/50	220/50	220/50	220/50
	Consumption (W)	660	680	690	730	780	1320
N.W./G.W. (kg)		55/70	56/87	73/115	98/140	125/170	158/200
Shipping Dimension (W*D*H) (mm)		680*680*1050	740*710*1140	760*710*1610	790*770*1860		880*950*2020
Optional		1.Independent temperature limiting controller 2.Intelligent LCD procedure temperature controller(Optional USB,RS485/232 and printer)			1.Independent temperature limiting controller 2.Intelligent LCD procedure temperature controller(Optional USB,RS485/232 and printer)		

BOD Incubator

ICB-B70P ICB-B150P ICB-B250P

BL model additional characteristics:

5.0 inch touch display 30-stage program control, round move, ladder operating.
Sensor failure alarm.

Specifications

Model	ICB-B70P	ICB-B150P	ICB-B250P
Inner Chamber size(W*L*H)(mm)	420*350*500	500*500*600	600*500*840
Exterior size (W*L*H)(mm)	580*610*1190	660*760*1290	760*760*1530
Packing size (W*L*H)(mm)	708*716*1368	788*866*1468	888*866*1708
Volume	70L	150L	250L
Load per rack	15kg		
Shelf number	9	12	18
Shelf space	35mm		
Power Supply Current rating	AC220V/2.3A	AC220V/3.6A	AC220V/5.5A
NW/GW (kg)	69/92	86/114	100/139
Shelf	2		
optional accessories	Shelf, Touch screen controller, RS485 interface, Printer, Recorder, Remote control, Wireless SMS alarm, USB data storage		

Unique internal wind circulation structure design, fan breeze circulation.
The double door structure, with high quality glass easy to observe the samples, the outer door with magnetic strip, good sealing.

Colour LCD display and 30-stage program temperature control, double evaporators and automatic control intelligent defrosting to ensure long-term operating without defrost. Standard independent temperature limiter, double protection for test safety.

Specifications

Model	ICB-B70P	ICB-B150P	ICB-B250P
Cycle Mode	Forced convection		
Function			
Temp. range	0~65℃		
Temp. Resolution Ratio	0.1℃		
Temp. Motion	High Temp.: ±0.5℃ Low Temp.: ±1℃		
Temp. Uniformity	±1℃		
Structure			
Inner Chamber	Mirror Sainless Steel		
Outer Shell	Cold rolling steel electrostatic spraying exterior		
Insulation layer	Polyurethane		
Heater	Stainless steel heater		
Power rating	0.8kW	1.0kW	1.2kW
Compressor	Air cooled hermetic compressor		
Cryogen	R134a		
Defrost structure	Automatic control intelligent defrosting		
Test hole	43mm		
Controlled external power supply	Universal socket (one)		
Temp.Control mode	S:Color screen LCD program P:5.0 inch touch screen		
Temp. setting mode	Touch button setting		
Temp. display mode	Measuring temperature: LCD upper screen;Setting temperature: the lower row		
Timer	0～99.9h×30 Segment		
Operation function	Program operation		
Sensor	PT100		
Additional funciton	S model: LED light, Deviation correction,Menu key lock, Power failure parameter memory; P model additional character: loop self diagnosis		
Safety device	Over temperature alarm, digital temperature limiter		

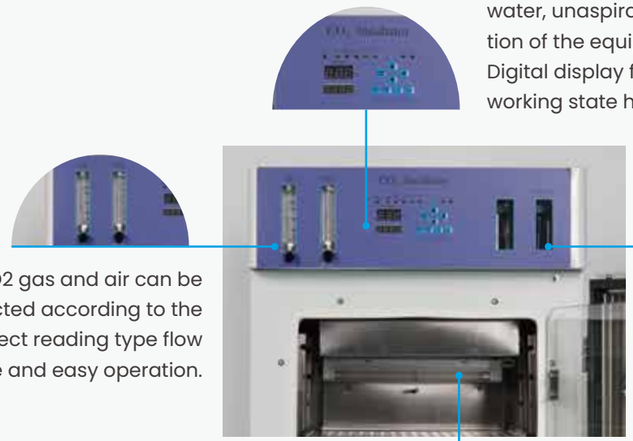
CO2 Incubator

ICB-CO2-80E ICB-CO2-160E

PID microprocessor is used to control temperature,meanwhile,the temperature of box ,water and door are separately controlled by three probes to ensure high accuracy. (Air jacket is equipped with two probes to control door temperature and main body temperature.)

Water jacket and air jacket structure are available, polished stainless-steel chamber with air duct. Equipped with fan for forced convection, ensuring good temperature uniformity and the balance of CO2 concentration inside.

Description



Alarm function for over-heating, lack of water, unaspirated, ensuring the safe operation of the equipment.
Digital display for setting parameters,each working state has LED indication.

The ratio of CO2 gas and air can be arbitrarily selected according to the needs, direct reading type flow meter, accurate and easy operation.

Natural evaporation for humidification to ensure the chamber can maintain good humidity .

Equipped with sterile air filtration devices and UV light system to reduce pollution.

Specifications

Model	ICB-CO2-80E	ICB-CO2-160E
Chamber Volume (L)	80	160
Temperature Range (℃)	RT+3～60	
Temperature Stability (℃)	≤±0.2	
Temperature Uniformity (℃)	≤±0.3	
Timing Range	1～9999min or without timing	
CO2 Range	0～20%	
Humidity Method	Natural Vaporization	
Power Supply	AC220V,50HZ	
Power Rating (W)	600	900
Chamber Size (W×D×H)(cm)	40×40×50	50×50×65
Exterior Size (W×D×H)(cm)	57×59×93	69×69×103
Package Szie (W×D×H)(cm)	64×68×103	70×78×118
Net/Gross Weight (kg)	55/85	75/110

Thermostatic Biological Chamber CO2 Incubator

ICB-CO2-80 **ICB-CO2-160**

When door opened,the fan will automatically turned off (ICB-CO2-80 turn off the CO2 intake valve at same time) and heating will be stopped to reduce the pollution caused by the entry of air.

Imported infrared sensor and gold-plated probes to ensure accuracy,the life time of sensor is up to 15 years.

Microcomputer control, touch screen, accurate and easy for operation.
Digital display for setting parameters,each working state has LED indication.

Natural evaporation for humidification to ensure the chamber can maintain good humidity .
Alarm function for over-heating, lack of water, unaspirated, ensuring the safe operation of the equipment.
Equipped with sterile air filtration devices and UV light system to reduce pollution.

Adopting PID control technology,the CO2 concentration can be freely set within range of 0 to 20%, alarm for over concentration and concentration rise too slow.

Water jacket and air jacket structure are available, polished stainless-steel chamber with air duct.
Equipped with fan for forced convection, ensuring good temperature uniformity and the balance CO2 concentration inside.

PID microprocessor is used to control temperature,meanwhile,the temperature of box ,water and door are separately controlled by three probes to ensure high accuracy. (Air jacket is equipped th two probes to control door temperature and main body temperature.)

Specifications

Model	ICB-CO2-80	ICB-CO2-160
Chamber Volume (L)	80	160
Temperature Range (℃)	RT+3～60	
Temperature Stability (℃)	≤±0.2	
Temperature Uniformity (℃)	≤±0.3	
Timing Range	1～9999min or without timing	
CO2 Range	0～20%	
CO2 Control Accuracy	± 0.1%(Imported sensor)	
Humidity Method	Natural Vaporization	
Power Supply	AC220V,50HZ	
Power Rating (W)	600	900
Chamber Size (W×D×H)cm	40*40*50	50×50×65
Exterior Size (W×D×H)cm	57*59*93	69×69×100
Net/Gross Weight (kg)	55/85	75/110
Alarm function	Over heating, damage for temperature probe ,water shortage	

CO2 Incubators

ICB-CO2-260

Description

- The incubator is ideal for the experiments of the cultivation of animal cells, sperm/ovum, anaerobic cells, all sorts of microbe cells, hatching/germinating and special tissues.

Features

6 sides direct heating system

Electric heating wire is covered on all sides of the chamber which makes stable uniformity and provides fast heat-up & temperature recovery. 3 parts of heating section are controlled and calibrated individually by 3 temperature sensors.

Dry wall and air jacket

Warm air from heating wire is preserved in space between the chamber and the insulation layer. It helps temperature recover faster and minimize heat loss. Dry wall withinsulation requires no regular maintenance.

Dual beam IR CO2 sensor

Fast & precise detection for CO2 gas regardless of temperature and humidity.

Natural humidification using water tray

The heater on bottom side warms the water in tray and it makes humidification. The circulation fan delivers the moisture formed from the water in the entire chamber.

Features

- Alarm system: Buzzer to alarm low or high deviation of CO2, temperature.
- Gentle air and moisture convection: Natural air and moisture convection, air and moisture in chamber are distributed gentlely by 6-side heating and air circulation fan.
- Easy to clean: Rounded corner allows easy cleaning. The entire chamber is made of stainless steel (SUS304).
- Over heating limit: Heating is automatically cut by safety device when temperature control fails or there is excessive heating over set point.
- Perforated shelves: Perforated shelves are good for natural air flows and are made of stainless steel which is resistant to rust and contamination.
- No condensation: Heating by front door heater & frame heater prevents condensation in the chamber and on the glass door.
- Microprocessor PID control: Intelligence control for CO2 density, temperature, alarm, automatic decontamination (Optional).
- HEPA filtration of the chamber
- Access port: 25mm Access Port is available at left side. (Upon ordering and additional charge)
- UV sterilization: 4W UV is placed on the chamber ceiling and beside the circulation fan. The UV light cannot reach sample and sterilization is operated during culturing.
- Maximum 125℃ dry hot air sterilization. No need to remove IR CO2 sensor.
- Monitoring system: Analog connection port has been designed to observe the status of equipment in real time even in the far distance.
- Lower gas consumption. Lower heat loss. Faster recovery easy classification for various samples.

Specifications

Model	ICB-CO2-260
Chamber volume	260L
Temperature Range (℃)	RT+5~60
Temperature stability （℃）	±0.1℃ （37℃）
Temp. uniformity	±0.4℃ (37℃ / RT.20℃)
Heating capacity （W）	610
CO2 inlet pressure range	0.6~0.7bar
Number of shelves	3/8
Chamber dimension （W*D*H）	530*590*900 mm
Overall dimension （W*D*H）	630*680*1125 mm
Weight（kg）	115
Package dimension	780*795*1375mm
Package weight	130kg

Climate Chamber, ICB-CC Series

ICB-CC175-3 ICB-CC275-3 ICB-CC375-3
ICB-CC475-3 ICB-CC800-3 ICB-CC1075-3

Features

Large LCD screen to display multiple parameters at same time , menu interface, easy operation.

With USB port to download data.

Adopt imported fluorine-free compressor, environment friendly and reliable.

Description

Adopt imported fluorine-free compressor, environment friendly and reliable.

Adopt imported brand humidity sensor, with self-designed built-in water tank and electric heating humidifying system, ensuring high accuracy for humidity.

Double door design, the inner door is made of tempered glass, can directly observe the culture in the working chamber. the outer door is magnetically sealed.

Self-diagnosis function

- When the climate chamber fails, the fault information will display on LCD screen, easy for check.

Intelligent Control

- It can simulate the temperature changes of nature during the day and night.
- The parameters set by the user can be automatically stored in case of power cut, it will run the original setting program after power restored.-
- Multi-segment program Control
- The temperature, humidity, light, time and heating rate are controlled by multi-segment program, which simplifies the complicated test process and realizes automatic control and operation.

Safety function

- Independent temperature limit alarm system, giving sound and visual alarm to prompt operator, ensuring safe operation of equipment.
- Alarm for high or low temperature.
- Equipped with leakage protection.
- Equipped with spare temperature control which ensures the product work normally even the main temperature control failed(for heating).

Specifications

Model	ICB-CC175-3	ICB-CC275-3	ICB-CC375-3	ICB-CC475-3	ICB-CC800-3	ICB-CC1075-3
Chamber Volume(L)	175	275	375	475	800	1075
Temperature range (℃)	With light:10~55℃ Without light:5~55℃					
Temperature Stability	≦±1℃					
Display Resolution	0.1℃					
Temperature Uniformity	≦±1℃					
Humidity Range	30~95%RH					
Humidity Deviation	±3%RH					
light Intensity	0~10000LX	0-15000LX	0-20000LX	0-23000LX	0-25000LX	0-25000LX
Program Control	Separately set for temperature and light, can set 30-segment program, each section can be set from 1 to 99 hours.					
Power Rating	860W	1700W	2100W	4000W	5000W	6000W
Power Supply	AC220V, 50HZ					
Ambient Temperature	+5~35℃					
Working	Long continuous operation					
Chamber Size (W×D×H)cm	45*42*93	58*51*93.5	59*55*116	70*55*125	96*61*137	95*70*160
Exterior Size (W×D×H)cm	61*62*150	74*71*157	75*75*173	86*75*182	113*93*198	101*90*224
Shelf (Standard)	3pcs					

Climate Chamber, ICB-CC Series

ICB-CC268Y ICB-CC310Y
ICB-CC500Y ICB-CC1000Y

- Optional volume: 268L, 310L, 400L,500L, 1000L
- Temperature range&fluctuation:0-50℃; ±0.5℃
- Humidity range &fluctuation:50-90%； ±7%RH
- Compressor delay protection time:About 3 min
- Can increase the illuminance according to customer requirements
- LCD screen display, simple operation, accurate control, easy to view at night.
- The interior features a stainless steel design.
- The program can be controlled by gradient such as time, temperature and illumination.
- Over-temperature and sensor abnormality protection to ensure the equipment and sample safety.
- With sterilization function, set the sterilization time, and automatically turn off the sterilization function at the end of the sterilization time.
- It has the functions of power-down memory and automatic compensation for power-down time. After power failure, the original working state can be continued when the machine is turned on again.
- Adopts LED light source, suitable for plant growth, low energy consumption, low heat.
- Inside the incubator is grid structure,which can be adjusted according to the length of the sample.

Description

This series of products can be applied to various fields such as seed germination and development, plant group cultivation and planting, small animal hatching, insect and small animal reproduction, drug antioxidant experiments, and article environmental experiments;And they are especially suitable for research in the fields of bioengineering, medical research, agriculture, aquaculture, animal husbandry, etc.

Specifications

Model	ICB-CC268Y	ICB-CC310Y	ICB-CC500Y	ICB-CC1000Y
Volume	268L	310L	500L	1000L
Temp. range	0-50°C			
Temp.fluctuation	±0.5°C			
Temp.uniformity	±0.1°C			
Humidity range	50-90%			
Humidity fluctuation	±7%RH			
Illuminance	0~8000lux			0~12000lux
	(It can be customized) Can increase the illuminance according to customer requirements			
Heating power	300W			700W
Compressor power	190W-320W			
Compressor delay protection time	About 3min			
Sound emission	<70dB			
Working mode	Continuous operation (compressor intermittent working)			
Working environment	Temperature: 0-38°C, humidity<80%RH, non-corrosive gas			
Electricity	220±22V, 50±0.5Hz			
External dimensions(L*W*H)	580*630*1755 mm	580*630*1895 mm	705*825*1971 mm	1230*708*1865 mm
Internal dimensions(L*W*H)	480*480*1040mm	480*480*1290mm	580*600*1310mm	1110*578*1375mm
Net weight/Gross weight（Kg）	105/120	135/150	165/180	290/310

Plant Growth Chamber

ICB-CC250H ICB-CC350H

Features

Energy-saving

Imported compressor, safe and reliable.

Defrosting function: three-stage electric heating defrosting program control.

Adopts energy-saving LED cold light source;The light intensity is adjustable in six levels to meet plants with different light needs.

Intelligent control of humidification method instrument.

Intelligent LCD control

Large-screen LCD display: real-time display of parameters, self-locking function of screen, simple and convenient operation.

Intelligent control: The intelligent temperature control system can set up to 100 cycles, and 30 wave bands can continuously control temperature, light level and running time.

Internal circulation system

Adopts high-quality fan and large impeller fan, the machine has higher ventilation efficiency and better temperature uniformity.

The circulation system adopts the back suction and the bottom vertical air supply mode.

The shelf is laser hollowed out with round holes for better ventilation and better temperature uniformity.

Dedicated sheet metal processing

The shelf can be disassembled and can be freely adjusted up and down, with a minimum spacing of 30mm.

The inner tank is made of high-quality brushed stainless steel, with strong corrosion resistance.

Built in observation window to make the objects in the chamber clear at a glance.

The anti-scalding design of the door handle makes it easy to open and close the door.

Description

It is widely used in microbial tissue and cell culture, seed germination, seedling raising test, plant cultivation, insect and small animal feeding, etc. Different environmental and climatic conditions can be accurately simulated.

Equipped with leakage protection device to ensure the safety of operators and other equipment in the laboratory.

With limited temperature control sound and light alarm system.

Self-diagnosis function: display fault information, which is convenient for judging the fault point..

Waterproof stainless steel heating tube, corrosion resistance, long service life.

Specification

Model		ICB-CC250H	ICB-CC350H
Capacity(L)		250	350
Circulation		Forced air convection	Forced air convection
Dimension (W*D*H)	Internal (mm)	555*450*1100	550*550*1200
	External (mm)	780*740*1880	900*940*2080
Temperature	Range (℃)	With lighting:10~60； Without lighting:4~60	
	Fluctuation (℃)	±1	
	Resolution (℃)	0.1	
	Uniformity (℃)	±1	±2
	Sensor	PT100	
Controller		PID	
Humidity	Range	50~90%RH	
	Stability	±5 ~ ±7 %	
	Method	Internal	
Display		LCD	
Timer(min)		1~9999	
Material	Internal	Stainless steel	
	External	Electro-galvanized steel with antimicrobial powder coating	
Shelves		3	
Test Hole (mm)		Optional φ25,50,80,100	
Safety Device		Leakage protector/Over- temperature alarm	
Electricity	Voltage/Frequency(V/Hz)	220/50	220/50
	Consumption (W)	880	1640
N.W./G.W. (kg)		120/130	155/260
Shipping Dimension (W*D*H) (mm)		820*800*1920	940*990*2080
Optional		1.Independent temperature limiting controller 2.Intelligent LCD procedure temperature controller(Optional USB,RS485/232 and printer)	

Illumination Chamber

ICB-L150E ICB-L260E ICB-L300E
ICB-L500E ICB-L1000E

Description

Illumination Chamber is a biological incubation experiment instrument, which adopts a microcomputer automatic control system with programmable control mode and intermittent cooling.

- Micro-computer control, integrated control panel. The parameters can be set are: time, temperature, light, humidity, period etc.
- Over-temperature and sensor abnormality protection to ensure the equipment and sample safety.
- Adopt LED light(ICB-L150E adopts Fluorescent lamp), beneficial to plant growth, disease resistance.
- It has the functions of power-down memory and automatic compensation for power-down time.
- Aluminum alloy frame, silver color and be able to the aging and deformation. With lock-door to protect the sample from falling out.
- The device has wheels, which is easy to move.
- Inside the incubator is grid structure,which can be adjusted according to the length of the sample.
- Duct-ventilated type with soft wind and uniformity temperature.
- The material of tank: stainless steel.
- Anti-irradiation tempered-glass with coating to ensure a good insulation performance.
- Light can be customized by users required. Our standard light is 8000lux. The max. light we can provide is 12000lux.

Specifications

Model	ICB-L150E	ICB-L260E	ICB-L300E	ICB-L500E	ICB-L1000E
Volume	150L	260L	300L	500	1000L
Temp. range	0-50°C				
Temp.fluctuation	±0.5°C				
Temp.uniformity	±0.1°C				
Illuminance	0~8000lux				0~12000lux
	(It can be customized)				
	Can increase the illuminance according to customer requirements				
Heating power	300W				700W
Compressor power	190W-320W				
Compressor delay protection time	About 3min				
Sound emission	<70dB				
Working mode	Continuous operation (compressor intermittent working)				
Working environment	Temperature: 0-38°C, humidity<80%RH, non-corrosive gas				
Electricity	220±22V, 50±0.5Hz				
External dimensions(L*W*H)	525*540*1580mm	580*630*1755mm	580*630*1895mm	705*825*1971mm	1230*708*1865 mm
Internal dimensions(L*W*H)	424*430*962mm	480*480*1040mm	480*480*1290mm	575*650*1480mm	1230*600*1270mm
Net weight/Gross weight (Kg)	90/100	105/120	135/150	180/210	290/310

Plant Growth Chamber

ICB-L250B ICB-L350B ICB-L450B

Features

Energy-saving

Imported compressor, safe and reliable.

Defrosting function: three-stage electric heating defrosting program control to ensure that frost will affect the temperature in the box during the low temperature operation of the equipment.

Adopts energy-saving LED cold light source;The light intensity is adjustable in six levels to meet plants with different light needs.

Intelligent LCD control

Large-screen LCD display: real-time display of parameters, self-locking function of screen, simple and convenient operation.

Intelligent control: The intelligent temperature control system can set up to 100 cycles, and 30 wave bands can continuously control temperature, light level and running time.

Running function: fixed value running, timing running; The screen will display "END" with a beeping reminder after the running time is completed.

Internal circulation system

Adopts high-quality fan and large impeller fan, the machine has higher ventilation efficiency and better temperature uniformity.

The circulation system adopts the back suction and the bottom vertical air supply mode.

The shelf is laser hollowed out with round holes for better ventilation and better temperature uniformity.

Dedicated sheet metal processing

The shelf can be disassembled and can be freely adjusted up and down, with a minimum spacing of 30mm.

The inner tank is made of high-quality brushed stainless steel, with strong corrosion resistance.

Built in observation window to make the objects in the chamber clear at a glance.

The anti-scalding design of the door handle makes it easy to open and close the door.

Description

It is widely applied to microbial tissue and cell culture, seed germination, seedling culture test, plant cultivation, raising of insects and small animals, etc.. Different environmental and climatic conditions can be accurately simulated.

Equipped with leakage protection device to ensure the safety of operators and other equipment in the laboratory.

With limited temperature control sound and light alarm system.

Self-diagnosis function: display fault information, which is convenient for judging the fault point..

Waterproof stainless steel heating tube, corrosion resistance, long service life.

Specification

Model		ICB-L250B	ICB-L350B	ICB-L450B
Capacity(L)		250	350	450
Circulation		Forced air convection		
Dimension (W*D*H)	Internal (mm)	555*450*1100	550*550*1200	700*550*1200
	External (mm)	820*770*1930	900*940*2080	1140*910*2090
Temperature	Range (℃)	With lighting: 10-60 Without lighting: 4-60		
	Fluctuation (℃)	±1		
	Resolution (℃)	0.1		
	Uniformity (℃)	±1	±2	±2
	Sensor	PT100		
Controller		PID		
Display		LCD		
Timer(min)		1-9999		
Material	Internal	Stainless steel		
	External	Electro-galvanized steel with antimicrobial powder coating		
Shelves		3	3	4
Test Hole (mm)		Optional φ25,50,80		
Safety Device		Leakage protector/Over- temperature alarm		
Electricity	Voltage/Frequency(V/Hz)	220V/50	220V/50	220V/50
	Consumption (W)	640	1600	1750
N.W./G.W. (kg)		110/162	139/260	175/290
Shipping Dimension (W*D*H) (mm)		820*800*1920	940*990*2080	940*1140*2080
Optional		1.Independent temperature limiting controller		
		2.Intelligent LCD procedure temperature controller(Optional USB,RS485/232 and printer)		

Constant Temperature Humidity Chamber

ICB-H70 ICB-H150 ICB-H250

Product Descriptions

- Unique internal wind circulation, breeze circulate fan circulation makes inner chamber temperature uniform.
- New Humidity sensor, which uses the SHT11 chip manufactured by SENSIRION Switzerland.
- Inner humidifying system with small particles, good humidity uniformity, low water consumption and function of alarm when is short of water.

Main Technical Parameters

Model		ICB-H70	ICB-H150	ICB-H250
Cycle Mode		Forced convection		
Function	Temp. Range	No humidification: 0～65℃ humidification: 10 ～60℃		
	Temp. Resolution Ratio	0.1℃		
	Temp. Motion	High Temp.: ±0.5℃ Low Temp.: ±1℃		
	Temp. Uniformity	±1℃		
	Humidity Range	45%～95%RH		
	Humidity Stability	±5%RH		
Structure	Inner Chamber	Mirror Stainless Steel		
	Outside Material	Cold rolling steel electrostatic spraying exterior		
	Insulation Layer	Polyurethane		
	Heater	Stainless steel heater		
	Power Rating	1.8kW	2.0kW	2.2kW
	Compressor	Air cooled hermetic compressor		
	Cryogen	R134A		
	Defrost Structure	Automatic control intelligent defrosting		
	Humidifying Method	External		
	Test Hole	Plastic test hole ϕ43mm		
	Controlled External Power Supply	Universal socket (one)		
Controller	Temp. Control Mode	30 section LCD program		
	Temp. Setting Mode	Touch button setting		
	Temp. Display Mode	Measuring temperature: LCD upper row;		
		Setting temperature: the lower row		
	Humidity Control Mode	Automatic		
	Timer	0～99.9h×30 section（with timing wait function）		
	Operation Function	Program operation, timing function,auto stop.		
	Sensor	PT100		
	Additional Function	LED light、Deviation correction、Menu key lock、Self		
		diagnosis of power failure parameter memory loop		
Safety Device		Over temperature alarm, mechanical temperature limiter		

Main Technical Parameters

Model		ICB-H70	ICB-H150	ICB-H250
Specification	Inner Chamber Size(W×L×H)(mm)	415×350×500	490×400×750	500×500×950
	Exterior Size (W×L×H)(mm)	571×591×1051	646×641×1301	656×741×1501
	Packing Size (W×L×H)(mm)	686×690×1211	761×740×1461	771×840×1661
	Volume	70L	150L	250L
	Load Per Rack	15kg	15kg	15kg
	Shelf Number	9	12	18
	Shelf Space	35mm	35mm	35mm
	Power Supply(50/60Hz)Current Rating	AC220V/8.2A	AC220V/9.1A	AC220V/10A
	NW/GW (kg)	69/92	86/114	100/139
Accessory	Shelf	2		
Optional Accessories	Shelf, touch screen controller, RS485 interface, printer,recorder, remote control, wireless			
	SMS alarm, USB data storage			

- Double door structure, with high quality stalinite to observe samples, outer door with magnetic strip, convenient to on and off, good sealing.
- Intelligent defrosting function ensures device long-time run without defrost. Standard mechanical independent temperature limiter provides double protection.

- Large LCD display, multiple data display at the same time, 30-stage program control, round move, ladder operating,with function of loop self-diagnose and sensor fault alarm.
- Intelligent PID temperature control system, high precise temperature control PT100 sensor equipped, high precise and stability import humidity sensor component to control humidity automatically.

Constant Temperature Humidity Chamber

ICB-H175 ICB-H275 ICB-H375
ICB-H475 ICB-H800 ICB-H1075

Features

- Equipped with power supply and UV lamp for sterilization in chamber.
- Double door designed, tempered glass inner door for easy observation.
- Equipped with leakage protection.
- Equipped with spare temperature control which ensures the product work normally even the main temp.control failed. (for heating).

There are 99 cycles of program, each cycle is divided into 30 segments, each segment contains 99 hours and 99 minutes of cycle steps, it can happily meet almost all the complicated experiment process.

- Imported international brand compressor with cooling system, effectively extend the life of the compressor.
- Imported brand humidity sensor, built-in tank heating humidification system, effectively ensuring the humidity deviation.
- Polished stainless steel chamber，surface painted，adjustable shelves,,easy for cleaning.
- JAKEL circulation fan, reasonable air duct structure, effectively guarantee the temperature stability inside the box.

- Large LCD screen to display more data at same time.Menu-type operation interface, easy operation.
- Digital display for temperature and humidity ,multi-segment program control technology, high precision.
- PID microprocessor ensures precise control for temperature and humidity
- Temperature -limiting alarm system ensures experiment runs safely. If the temperature exceeds the limit, the operation will be automatically stopped and alarm will prompt the operator.

Specifications

Model	ICB-H175	ICB-H275	ICB-H375	ICB-H475	ICB-H800	ICB-H1075
Chamber Volume	175L	275L	375L	475L	800L	1075L
Temperature Range	0~65 ℃					
Display Resolution	0.1℃					
Temperature Fluctuation	HIGH±0.5 ℃、LOW±1 ℃					
Temperature Uniformity	±1 ℃					
Humidity Range	30~95%RH					
Power Rating	1100W	1400W	1950W	2000W	2300W	2600W
Humidity Stability	±3%RH					
Refrigerant	R134a					
Power Supply	AC 220V±10%，50Hz±2%					
Continuous Operation	Long continuous operation					
Ambient Temperature	5~40℃					
Exterior Size (W×D×H)(cm)	61×62×150	74×71×157	75×75×173	86×75×182	113×93×198	101×90×224
Chamber Size (W×D×H)(cm)	45×42×93	58×51×93.5	59×55×116	70×55×125	96.5×61×137	95×70×160
Net/Gross weight(kg)	82/125	95/138	103/147	115/157	185/250	215/300

Constant Temperature Humidity Chamber

ICB-H150II ICB-H250II ICB-H300II ICB-H400II ICB-H800II

Features

- PID control for temperature and humidity,accurate and reliable.
- A program with 99 cycles, which can satisfy almost any complicated experimental process.
- Equipped with spare temperature control system which ensures the product work normally even the main temp.control failed.
- With USB or RS485 por for data download.

Note:

Performance parameters are tested under non-load conditions: ambient temperature is 20°C, relative humidity is 50% RH.

Features

The product has a precise temperature and humidity control system. It provides various environmental simulation conditions for industrial research and biotechnology testing. It's widely used in aseptic tests and stability inspection in medicine, textiles ,food processing, industrial Product raw material performance, product packaging ,product life and other tests.

Description

Large LCD screen display, easy operation.
Alarm function for over temperature.
Equipped with leakage protector.

Unique air duct design, ensuring the temperature uniformity in the chamber

Stainless steel chamber,movable shelf.
Equipped with UV sterilization system.

Good sealing performance,double door design,magnetic out door and tempered glass inner door for observe observation.

Specifications

Model	ICB-H150II	ICB-H250II	ICB-H300II	ICB-H400II	ICB-H800II
Volume	175L	275L	375L	475L	800L
Temperature range	0～65℃				
Temperature fluctuation	Low temp.:±1℃, High temp: ±0.5℃				
Temperature uniformity	±1℃				
Humidity control range	40%~90%RH				
Working time	Long continuous working				
Power consumption	1600W	1800W	2200W	2250W	4000W
Humidity fluctuation	±3%RH				
Refrigerant	R134a				
Power supply	220V±10%,/50Hz±2%				
Working condition	5～40 ℃				
Exterior Size (W×D×H)(cm)	63×72×171	77×74×171	78×87×191.5	88×87×199.5	110×93×1217
Chamber size (W×D×H)(cm)	58×51×93.5	58×50×85	59×55×116	70×55×125	96.5×61×137

Cooling Biochemical Incubator

ICB-M150Z ICB-M250Z ICB-M350Z ICB-M450Z

Features

Energy-saving

The sealing ring of incubator adopts a new type of synthetic silicone sealing strip, which effectively prevents heat loss.

Automatically adjust the control parameters according to the ambient temperature and load to achieve the optimal heating method and reduce energy consumption.

Humanized design

Built in observation window to make the objects in the chamber clear at a glance.

The anti-scalding design of the door handle makes it easy to open and close the door.

Intelligent control

High efinition LCD display, real-time display of parameters, self-locking function of screen, simple and convenient operation.

Menu-type operation interface, simple and convenient operation, can quickly set temperature and time parameters.

Running function: fixed value running, timing running; The screen will display "END" with a beeping reminder after the running time is completed.

Internal circulation system

Adopts high-quality fan and large impeller fan, the machine has higher ventilation efficiency and better temperature uniformity.

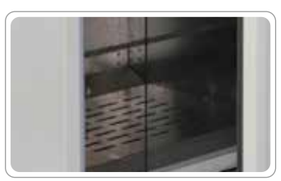
The circulation system adopts the back suction and the bottom vertical air supply mode.

The shelf is laser hollowed out with round holes for better ventilation and better temperature uniformity.

Dedicated sheet metal processing

The shelf can be disassembled and can be freely adjusted up and down, with a minimum spacing of 30mm.

The inner chamber is made of high-quality brushed stainless steel, with strong corrosion resistance.



Description

It is widely used in mold screening, microbial tissue cell culture, fungal spore culture, food and drug, preservation experiments, seed germination and other test needs.

Equipped with leakage protection device to ensure the safety of operators and other equipment in the laboratory.

With over temperature control of visible & audible alarm system.

Self-diagnosis function: display fault information, which is convenient for judging the fault point..

Optional

Independent temperature limiting controller

Intelligent LCD procedure temperature controller(Optional USB,RS485/232 and printer)

Specification

Model		ICB-M150Z	ICB-M250Z	ICB-M350Z	ICB-M450Z
Capacity(L)		150	250	350	450
Circulation		Forced air convection			
Dimension (W*D*H)	Internal (mm)	505*380*800	550*450*1050	550*550*1150	700*550*1200
	External (mm)	730*740*1630	800*760*1930	800*850*7900	900*1150*2080
Temperature	Range (℃)	0~60			
	Fluctuation (℃)	±0.5			
	Resolution (℃)	0.1			
	Uniformity (℃)	±1			
	Sensor	PT100			
Humidity	Range(RH)	55%~95%			
	Fluctuation (RH)	±3%~±5%			
Controller		PID			
Display		LCD			
Timer(min)		1-9999			
Material	Internal	Stainless steel			
	External	Electro-galvanized steel with antimicrobial powder coating			
Shelves		3	3	3	4
Test Hole (mm)		Optional φ25,50,80,100			
Safety Device		Leakage protector/Over- temperature alarm			
Electricity	Voltage/Frequency(V/Hz)	220/50			
	Consumption (W)	700	740	790	1330
N.W./G.W. (kg)		74/120	99/140	126/170	159/200
Shipping Dimension (W*D*H) (mm)		760*710*1610	790*770*1860	810*900*2020	880*950*2020
Optional		1.Independent temperature limiting controller 2.Intelligent LCD procedure temperature controller(Optional USB,RS485/232 and printer)			

Drying Oven / Incubator (Dual-use)

DOI-30E DOI-45E DOI-65E DOI-85E DOI-125E DOI-230E

Features

- Horizontal air circularly by double Air ducts, high efficiency and high Uniformity.
- PID controller, with over-temperature protection function.
- With Oven/Incubator change switch, fan switch; and high temperature blast motor, LED digital display
- New anti-hot handle.

Have the following characteristics other than the above functions

- LCD temperature controller. SSR to make sure the safety
- 4 grades speed fan, adjustable for different requirements.
- Over-temperature protection system.
- High precision digital independent temperature limiter.

Specifications

Model		DOI-30E	DOI-45E	DOI-65E	DOI-85E	DOI-125E	DOI-230E
Cycle Mode		Forced convection					
Function	Temp. range	Incubator:RT+5-80℃ Drying oven:80-300℃					
	Temp. Resolution Ratio	0.1℃					
	Temp. Motion	±1℃					
	Temp. Uniformity	Incubator:±1.0℃ Drying oven:±2.5%					
Structure	Inner Chamber	Mirror Stainless Steel					
	Outer Shell	Cold rolling steel electrostatic spraying exterior					
	Insulation layer	High quality rock wool board(with CE)					
	Heater	Stainless steel heater					
	Exhaust hole	ϕ28mm top(with function of test hole)					
Controller	Temp. control mode	PID Two temperature section intelligent PID					
	Temp. setting mode	Touch button setting					
	Temp. display mode	DOI-E type: LED Digital Display					
		DOI model: LCD Digital display					
	Timer	0-9999min(with timing wait function)					
	Operation function	Fixed temperature operation, timing function, auto stop.					
	Additional function	DOI-E model: Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory.					
		DOI model: High precision digital independent temperature limiter, 4 grades &3 speed adjustable speed fan (GP230BE without fan speed adjustor), sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory.					
	Sensor	Pt100					
Specification	Load per rack	15kg					
	Shelf space	35mm					
	Power Supply	AC110/220V±10%, 50/60Hz					
	Consumption	800W/3.6A	1200W/5.5A	1600W/7.2A	2000W/9.0A	2300W/10.5A	3000W/13.6A
	Internal Size(W*D*H)mm	310*310*310	350*350*350	400*360*450	450*420*450	500*450*550	600*500*750
	External Size(W*D*H)mm	460*510*695	500*550*735	550*550*840	590*610*830	636*680*915	730*680*1250
	Package Size(W*D*H)mm	550*585*845	590*625*885	640*635*985	690*690*985	720*730*1100	860*790*1400
	NW/GW	33/37kg	37/43kg	44/49kg	50/56kg	65/72kg	94/120kg
Accessory	Shelf	2					
	Shelf frame	4					
Optional Accessories		DOI-E model: Shelf; DOI model: Shelf, RS485 interface, printer, program temperature control device, remote control, wireless SMS alarm, USB data storage					

Dual Purpose (Oven/Incubator)

DOI-30Z DOI-50Z DOI-70Z DOI-140Z DOI-240Z

- Capacity: 30L, 50L, 70L, 140L, 240L
- Temperature range: Oven: 80-200℃; Incubator: RT+5-80℃
- Test hole: Optional ϕ25,50,80mm
- Safety device: Leakage protector/Over- temperature alarm

Description

- It can be used as an incubator for industrial and mining enterprises, laboratories, scientific research units, etc. to cultivate viruses and bacteria; it can also be used as a drying oven for drying, baking, melting wax, and sterilization.

Features

Energy-saving

- The sealing ring of incubator adopts a new type of synthetic silicone sealing strip, which effectively prevents heat loss.
- Automatically adjust the control parameters according to the ambient temperature and load to achieve the optimal heating method and reduce energy consumption.

Intelligent LCD control

- Large-screen LCD display, real-time parameter display, simple and convenient operation.
- Menu-type operation interface, simple and convenient operation, can quickly set temperature and time parameters.
- Running function: fixed value running, timing running, the screen displays "END" when the running time is completed, accompanied by a buzzer reminder.

Internal circulation system

- Adopts high-quality fan and large impeller fan, the machine has higher ventilation efficiency and better temperature uniformity.
- The circulation system adopts the back suction and the air circulation on both sides mode.
- The shelf is laser hollowed out with round holes for better ventilation and better temperature uniformity.

Dedicated sheet metal processing

- The shelf can be disassembled and can be freely adjusted up and down, with a minimum spacing of 30mm.
- The inner tank is made of high-quality brushed stainless steel, with strong corrosion resistance.
- Built in observation window to make the objects in the chamber clear at a glance.
- The anti-scalding design of the door handle makes it easy to open and close the door.

Safety

- Equipped with leakage protection device to ensure the safety of operators and other equipment in the laboratory.
- The insulation material is made of high-quality aluminum silicate silk cotton, and the insulation layer of the box is thickened.
- With limited temperature control sound and light alarm system.
- Self-diagnosis function: display fault information, which is convenient for judging the fault point..

Specification

Model		DOI-30Z	DOI-50Z	DOI-70Z
Capacity(L)		30	50	70
Circulation		Forced air convection		
Dimension (W*D*H)	Internal (mm)	340*325*290	420*350*350	400*375*470
	External (mm)	490*520*690	710*520*520	540*550*870
Temper-ature	Range (℃)	Oven: 80-200	Incubator: RT+5-80	
	Fluctuation (℃)	±0.5		
	Resolution(℃)	0.1		
	Uniformity(℃)	25%		
	Sensor	PT100		
Controller		PID		
Display		LCD		
Timer(min)		1-9999		
Material	Internal	Stainless steel		
	External	Electro-galvanized steel with antimicrobial powder coating		
Shelves		2		
Test Hole (mm)		Optional φ25,50,80		
Safety Device		Leakage protector/Over- temperature alarm		
Electricity	Voltage/Frequency(V/Hz)	220/50		
	Consumption (W)	550	850	1100
N.W./G.W. (kg)		40/55	40/50	55/75
Shipping Dimension (W*D*H) (mm)		620*630*830	810*640*600	670*660*1040
Optional		1.Independent temperature limiting controller 2.Intelligent LCD procedure temperature controller(Optional USB,RS485/232 and printer)		

Model		DOI-140Z	DOI-240Z
Capacity(L)		140	240
Circulation		Forced air convection	
Dimension (W*D*H)	Internal (mm)	450*557*520	500*615*720
	External (mm)	600*740*920	650*800*1130
Temper-ature	Range (℃)	Oven: 80-200 Incubator: RT+5-80	
	Fluctuation (℃)	±0.5	
	Resolution(℃)	0.1	
	Uniformity(℃)	25%	
	Sensor	PT100	
Controller		PID	
Display		LCD	
Timer(min)		1-9999	
Material	Internal	Stainless steel	
	External	Electro-galvanized steel with antimicrobial powder coating	
Shelves		2	
Test Hole (mm)		Optional φ25,50,80	
Safety Device		Leakage protector/Over- temperature alarm	
Electricity	Voltage/Frequency(V/Hz)	220/50	
	Consumption (W)	1500	2050
N.W./G.W. (kg)		70/85	85/110
Shipping Dimension (W*D*H) (mm)		730*860*1080	780*920*1270
Optional		1.Independent temperature limiting controller 2.Intelligent LCD procedure temperature controller(Optional USB,RS485/232 and printer)	

Horizontal Shaking Incubators

ICB-SH265 ICB-SH265R

- Integrated with incubator and shaker to save space and cost.
- With operation data memory function to eliminate faulty operation.
- Brushless DC motor, more stable and reliable.
- With UV Sterilizer

Universal spring clip

Large LCD screen to display temperature and shaking speed.

High quality steel shell, polished stainless steel chamber.

Auto-stop operation when door is opened. Strong air spring rod with easy opening and closing.

Non-volatile memory saves settings during a power outage and automatically restarts the unit as originally programmed after power is restored.

Equipped with leakage protection.

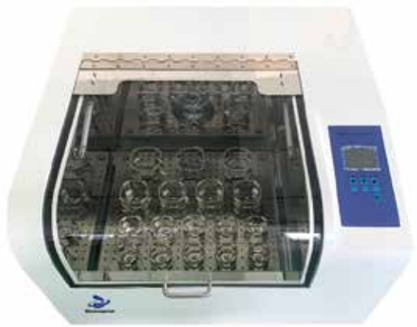
Specifications

Model	ICB-SH265	ICB-SH265R
Shaking Speed (rpm)	20-300	
Speed Accuracy (rpm)	±1	
Swing Amplitude (mm)	Φ26	
Standard Configuration	500ml×28	2000ml×12
Maximum Capacity	250ml×36 or 500ml×28 or1000ml×18	1000ml×18 or 2000ml×12 or 3000ml×8 or 5000ml×6
Tray Size (mm)	920×510	
Timing Range	1~9999min	
Temperature Range (℃)	4-60 (Cooling)	
Temperature Accuracy (℃)	±0.1	
Temperature Uniformity (℃)	±1	
Display	LCD	
Tray Included	1	
Exterior Size (W×D×H)mm	1200×740×800	1200×740×1000
Net Weight (kg)	174	183
Power Rating (W)	866	951
Volume W×D×H (mm)	970×565×280 (155L)	970×565×480 (265L)
Power Supply	AC220V±10% , 50-60Hz	

Shaking Incubator

ICB-S80I ICB-S80II

ICB-S80I



ICB-S80II

Specifications

Model	ICB-S80I	ICB-S80II
Shaking Speed (rpm)	20-300	
Speed accuracy (rpm)	±1	
Swing amplitude（mm）	Φ26	
Standard configuration	50ml×5, 100ml×5 ,250ml×4, 500ml×3	
Maximum capacity	100ml×20 or 250ml×16 or 500ml×12 or 1000ml×5 or 2000ml×4	
Tray Size（mm）	450×410	
Timing Range	1-9999min	
Temperature Range（℃）	10~60(Cooling)	RT-15℃~60℃(Ambient temp-15℃)
Temperature Accuracy （℃）	±0.1	
Temperature uniformity（℃）	±1	
Display	LCD	
Tray Included	1	
Exterior Size(W×D×H)mm	832x690x653	780x750x570
Volume (W×D×H)mm	480×450×320	
Power Rating	580W	
Power Supply	AC 220~240V, 50~60Hz	

Shaking Incubator

ICB-S0420 ICB-S1020

Features

- The constant temperature incubation shaker is a small bench-top shaking incubator that combines the functions of gas bath constant temperature and horizontal oscillation.
- Its ingenious combination of precise temperature control and low frequency and high amplitude oscillation functions;And it has the characteristics of small size, convenient operation, simple maintenance and so on.
- A variety of optional trays meet the placement and fixation of various flasks, beakers, petri dishes, test tubes and other containers.

It is widely used in the fields of biotechnology, microbiology, medical analysis, etc.

Specifications

Model	ICB-S0420	ICB-S1020
Temperature control range	Room temperature +5℃~60℃	
Time settings	1min~ 99h59min/∞	
Amplitude	20mm	
Speed range	50~300Rpm	50~250Rpm
Capacity (250ml beaker)	5 pieces	9 pieces
Equipment size (mm)	421×320×338	632x502x512

Single-layer,Double-layer Shaking Incubator

Single door: ICB-S170-B
Double door: ICB-S285R

Features

High quality steel shell, polished stainless steel chamber.

The most advanced large torque motor to ensure continuous work without maintenance.

Unique slope design panel with large LCD display, better visual effect.

With large view window and built-in lighting for easy obser-vation.
Low noise , luxury and beautiful appearance.
Equipped with leakage protec-tion.

With operation data memory and password locking function to eliminate faulty operation.

Non-volatile memory saves settings during a power outage and automatically restarts the unit as originally programmed after power is restored.

When the measured temperature deviates from set temperature by 3℃(can be set arbi-trarily) will automatically stop heating and send out audible and visual alarms.

Options

- Universal Tray
- Stainless steel flask clamp (50ml, 100ml, 250ml, 500ml, 1000ml, 2000ml, 3000ml, 5000ml available)

ICB-S170-B (Single door)

ICB-S285R (Double door)

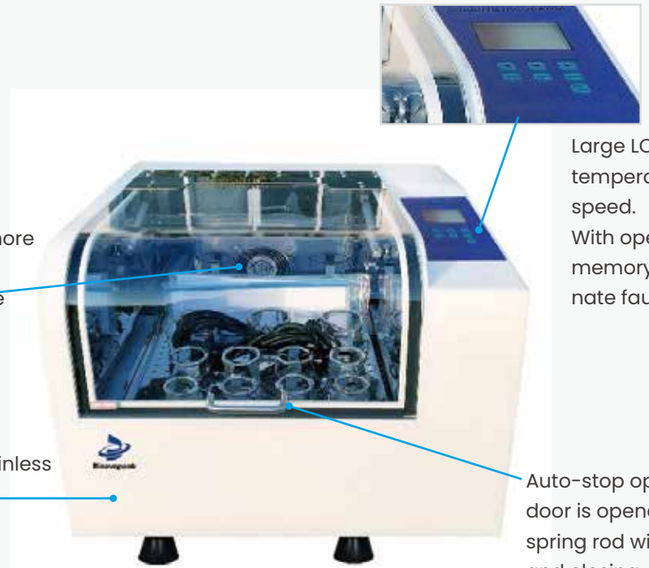
Specifications

Model	ICB-S170-B (Single door)	ICB-S285R (Double door)
Shaking Speed (rpm)	40-300	
Speed Accuracy (rpm)	±1	
Swing Amplitude (mm)	Φ26	
Standard Configuration	250ml×24	250ml×35 or 500ml×24
Maximum Capacity	100ml×48 or 250ml×24 or 500ml×18 or 1000ml×12	250ml×70 or 500ml×48 or 1000ml×24 or 2000ml×8
Tray Size (mm)	500×350	740×460
Power Rating (W)	550	750
Temperature Range (℃)	4-60	
Temperature Accuracy (℃)	±0.1	
Temperature Uniformity (℃)	±1	
Timing Range	1-9999min	
Display	LCD	
Power Supply	AC220V~240V±10% , 50~60HZ	
Tray Included	2	
Volume W×D×H(mm)	660×440×650(170L)	840×520×640(280L)
Exterior Size (W×D×H)(mm)	700×560×1260	950×700×1260
Net Weight (kg)	165	240

Constant Temperature Shaking Incubator(Benchtop)

ICB-S20 ICB-S50

Features



Brushless DC motor, more stable and reliable. Equipped with leakage protection.

ABS shell, polished stainless steel chamber.

Large LCD screen to display temperature and shaking speed.
With operation data memory function to eliminate faulty operation.

Auto-stop operation when door is opened. Strong air spring rod with easy opening and closing.

Integrated with incubator and shaker to save space and cost.

Non-volatile memory saves settings during a power outage and automatically restarts the unit as originally programmed after power is restored.

Specifications

Model	ICB-S20	ICB-S50
Shaking Speed (rpm)	20-300	
Speed accuracy (rpm)	±1	
Swing amplitude（mm）	Φ26	
Standard configuration	100ml×9	50ml×4, 100ml×4 ,250ml×3, 500ml×3
Maximum capacity	50ml×12 or 100ml×9 or 250ml*9	50ml×20 or 100ml×16 or 250ml×12 or 500ml×9
Tray Size（mm）	295×253	400×370
Timing Range	1-9999min	
Temperature Range（℃）	RT+5~60	
Temperature Accuracy （℃）	±0.1	
Temperature uniformity（℃）	±1	
Display	LCD	
Tray Included	1	
Exterior Size(W×D×H)mm	440×410×390	600×580×510
Volume (W×D×H)mm	320×295×190	440×405×270
Power Rating	220W	320W
Power Supply	AC 220~240V, 50~60Hz	

Stackable Shaking Incubator

ICB-2S200

Features

Stackable up to three units for maximum space savings.

Mirror stainless steel chamber, anti-corrosion and easy to clean, good appearance. With observation window, convenient to observe condition inside any time;

With UV sterilization function;

Large LCD screen display, easy operation.
With timing function,freely set the culture time within 0~999.9 hours;
PID microprocessor temperature controller with high accuracy.

Imported high-quality compressor, fluorine-free refrigerants, low noise and good cooling effect, ensuring long time stable operation of equipment under low temperature.

The rocking plate can be freely pulled out, which is convenient for loading and unloading the flask

Auto-stop operation when door is opened,safe and convenient.

Independent control of temperature and shaking speed for each layer or separately run different layer according to needs.
With over temperature alarm function, automatic power off in abnormal condition.
Auto-recovery after power outage or crash as originally programmed, avoiding data loss

Option

- LCD touch screen is optional. It can display setting parameters for temperature,shaking speed.
- Time and actual measured temperature, speed, remaining time on one interface for easy observation.

ICB-2S200

Specifications

Model	ICB-2S200
Shaking Speed(rpm)	60~280
Speed Accuracy(rpm)	±1
Swing Amplitude(mm)	Φ28mm
Maximum Capacity(Single layer)	250ml×36 or 500ml×24 or 1000ml×15 or 2000ml×10/layer
Tray Size(mm)	770×450
Timing Range	0~999h
Temperature Range(℃)	4~60℃ (Ambient temperature :25℃)
Temperature Accuracy (℃)	±0.1℃(Under constant temperature)
Temperature Uniformity(℃)	±1℃
Tray Included	1/per layer
Volume (W×D×H)mm	900*620*470
Single Exterior Size(W×D×H)mm	1320x840x632
Total Exterior Size(W×D×H)mm	1320×840×2046
Power Rating(W)	2700
Power Supply	AC220V±10%, 50∽60HZ

CO2 Shaking Incubator

ICB-CO2-2S300

Description

It is mainly used for tissue and cell culture, seed germination, seedling raising and microbial culture. There are single beam or four beam, synthetic light kit. The wavelength is mainly concentrated in red light and blue violet light, which is mainly used for the culture of photosynthetic organisms.

Flexible placement

- It can be used on the ground of single layer or on the ground of double layer or three layers, and the experimental personnel can operate it easily.
- When the three sets are superimposed, the small stools are prepared for the experimenters, and they are also equipped with iron rods for the installers to manually lift the stools.

Specifications

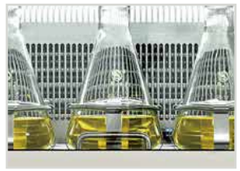
Model	ICB-CO2-2S300
Capacity	187L
External dimensions	1200*797*640 (excluding 80mm of footing)
Internal dimensions	830*566*399H
Shaking plate dimensions	780*480（mm）
Maximum capacity	250ml 40 or 500ml 28 or 1000ml 15 or 2000ml 12
Shaking plates number	1
Heating power	800W
Refrigerating power	200W
Net weight	180Kg / single set
Maximum stacking	3

Intuitive touch panel

It has intuitive operation, precise control and monitoring, perfect appearance, comfortable remote control function, and it is easy to clean.

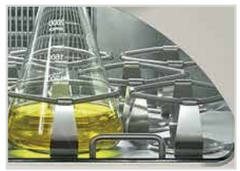
Waterproof design of cultivation box

Any accidental broken bottle during the cultivation process will not cause damage to the incubator. You can also thoroughly clean the box with detergent and sterilizer to ensure the best sterile environment in the box.



Viscous pallet

The adhesive support pallet can directly fix culture flasks of various sizes on the pallet without using clamps and is easy to clean. Easy to operate and increase space utilization by 10%. The whole adhesive sheet is made of adhesive material, special interlayer material, anti-ultraviolet, not easy to deform after repeated use.



Product features

Model	ICB-CO2-2S300
Display mode	7-inch true color touch screen
Control mode	P. I.D microcomputer environment scanning microprocessor chip control
Circulation mode	Forced convection
Oscillation mode	Rotary oscillating
Driving mode	Single shaft balancing device
Shaking plate	Free pulling type
Door opening mode	Lower two sets: pull-down type, top layer: turn up type
Printing function	Embedded built-in micro printer
Interface	USB data storage output
HEPA filter	The incoming gas is sterilized by 0.2um online filter
Lighting lamp	8W
Ultraviolet lamp	8W
Motor	High quality servo motor
Bearing	NSK original imported double row bearings
Shaft material	45# carbon steel, 220-250HBW quenching and tempering treatment
Lumen material	304 high-quality imported stainless steel plated plate
Main materials	High-quality and high-strength QT cast iron, channel steel, angle steel, high-quality cold-rolled steel plate
Bottle splint material	High quality aluminum plate, aluminum oxide surface treatment
Bottle clamp material	Made of stainless steel mirror material, the elasticity of the material is 360 degrees, the hardness is 420 degrees, and it is not easy to deform

Double glass door

- The toughened hollow double-layer safety glass door has good heat insulation performance.
- Adopting double capillary refrigeration system and electronic expansion valve control technology.
- Variable frequency compressor refrigeration system can be selected to save energy and reduce emission, improve the service life of the compressor, lower noise and more stable temperature control

Drop-down, load-bearing box door

- After the box door is fully opened, an operation platform is automatically formed, which can pull out 100% of the clamping plate of the oscillating bottle to easily take and place the sample bottle. The shaking plate is directly pulled or pushed without a locking device. The operation is simple and fast, and the space utilization rate is greatly improved.
- The bottle splint is pulled out and pushed back along the special stainless steel guide rail, which is firm and durable.

Full-function control design

- Adopt the original imported high-precision CO2 infrared sensor, shallow water pan humidification, UV sterilization system and lighting system (standard), it has adjustable ventilation holes on the side, optimized PID parameter, over temperature protection and safety cut-off function. It also has fully optimized oscillation system and balance system, parameter memory function, the audible and visual alarm system.The alarm output interface can connect the alarm. It can control the servo motor system. The bottom of the equipment is equipped with rollers for easy movement. Customers can customize non-standard temperature, oscillation speed, oscillation amplitude, humidification system and illumination system. It also has expandable light culture control optional Kit, expandable gas introduction unit and expandable shading culture unit.

Ultra high carrying capacity to optimize the "benefit ratio per unit space" of your valuable laboratory space to the greatest extent

General support plate: 780x480 (mm), which can be mixed and placed with flask clamp, test tube rack, enzyme label plate rack and universal spring shaking plate of different sizes and specifications.

Single shaft balanced drive

The single shaft balanced drive technology has no mechanical friction and mechanical loss, no noise, no deviation, less energy consumption and good coordination. It is suitable for long-term operation (see Figure).

Excellent control effect.

With excellent control effect can achieve good stability and uniformity and ensure that all culture bottles are in the same superior growth environment.

Control

Temperature control	
Temperature range	4 ℃ - 60 ℃ (Ambient temperature - 15 ℃, min. 4 ℃)
Temperature uniformity	± 0.5 ℃ (at 37 ℃)
Temperature accuracy	±0.1℃
Temperature recovery time	≤±10mins
Ambient temperature range	18-34℃
Humidification mode	Natural humidification

CO2 concentration control	
CO2 control range	0.1-20%
CO2 control accuracy	0.1%
CO2 stability	±0.1%
CO2 accuracy	±0.3%
CO2 sensor	High temperature resistance of infrared (IR) sensor
Sterilization method	Ultraviolet sterilization
Concentration recovery time	≤5mins open door 30S

Speed control	
Rotation frequency	30 ~ 300rpm (when three layers are stacked, the maximum speed of the top layer is 250rpm)
Rotation accuracy	±1rpm
Swing amplitude	25 or 50mm optional

Humidity control (optional active humidification)	
Humidity range	Ambient humidity - 95%
Humidity control accuracy	5%
Temperature regulation accuracy	1%
Door opening recovery	15min

Shaking incubator, Vertical type

ICB-S1112B ICB-S2112B ICB-SL1112F ICB-SL2112F

ICB-S1112B

ICB-S2112B ICB-SL1112F ICB-SL2112F

LCD display with bright illumination.

Running parameters and statues are clearly displayed on the LCD screen for easy visualization and programming.

Continuously running or timing.

Shakers can display the set time and time remaining

Memorized and protected operating parameters.

Unexpected power outage, the original set-up process can be automatically resumed.

Function of encrypted and locked operating parameters.

It can avoid human errors.

Specifications

Model	ICB-S1112B	ICB-S2112B	ICB-SL1112F	ICB-SL2112F
Control mode	P.I.D microprocessor chip			
Convection mode	Forced convection			
Shake mode	Convolution		Reciprocate	
Display	LCD display			
Drive mode	Multidimensional drive		Track drive	
System of USB data download and analysis	Yes			
Control system	Multiple programmable mode(Temp.,speed,time)			
Cyclotron frequency range (rpm/min)	0；20-280(To do static culture)		0；20-260(To do static culture)	
Cyclotron frequency sensitivity(rpm)	±1			
Orbit diameter(mm)	Φ26		0-50	
Max.capacity	250ml×90 or500ml×72 or 1000ml×42			
Standard capacity	250ml×45 500ml×36			
Size of platform(mm)	950×550			
Timing range(h)	0-9999h/min(Any time,continuous duty)			
Temperature range(℃)	Ambient +5℃~65℃ (No refrigeration)	4℃~65℃ (Refrigeration)	Ambient +5℃~65℃ (No refrigeration)	4℃~65℃ (Refrigeration)
Temperature regulate sensitivity(℃)	±0.1			
Temperature uniformity(℃)	±0.5（37℃）			
Temperature fluctuation(℃)	≤0.1（37℃）			
Number of platform	Two			
Outside dimension(W*D*H)(mm)	1200×800×1630			
Capacity(L)	580			
Power(W)	1100	1400	1100	1400
Electricity	AC220±10%，50Hz			
Net weight(kg)	500	520	500	520
Gross weight(kg)	580	600	580	600
Other functions	Ultra-low speed start, Adjustable start speed，Overspeed auto-prtection，Watch dog timer，Parameters Storage，Encryption parameters，Electricity incoming recovery，Refrigeration unit overload protection，Sound and light alarm when upper and lower overtemperature，Automatically stop when opening the door (optional)，Function of lighting and UV disinfection			

Features

- **High quality servo motor.**
  Speed control accurately, noiseless, durable and high efficiency.
- **Multi-steps rotate speed, temperature and time control systems.**
  Different rotational speed, temperature and time can be set at one time; operation model can be automatically converted during operation.
- **Unique drive system.**
  It makes the machine running smoothly, stably, durably and reliably.
  Clock and date can be displayed (touch screen only).
- **Slow accelerate and decelerate design.**
  Slowly start and stop, prevent bacteria or cells to shear force is too large and damage.
- **Advantaged air duct design.**
  Air duct design contributes to high-precision temperature uniformity.
- **Unique slow-start design.**
  Preventing the shake-flask liquid splashing caused by a sudden start, effectively guaranteeing the accuracy of quantitative experiments

High-precision speed control.
PID feedback control, the motor speed is stable and accurate, the accuracy of ± 1RPM

High-precision temperature control.
PID feedback control, the measurement accuracy of 0.1 °C. Audible and visual alarm, when the measured temperature deviation from the set value ≥ ± 3 °C,

Automatic defrosting function.
It makes shakers operating stably in low temperature for a long time.

Advanced USB data automatic record, download and processing system.
It has large storage, and automatic recording & saving in the full test processing. The data could be directly downloaded by USB or automatically downloaded by wireless.

Automatic analyzing, listing table, charting and printing on downloaded dates.
It can trace back to the whole process of experiment in order to optimize the reaction conditions and choose the test method to confirm the experiment process.

Description

Vertical Constant Temperature Shaker has a USB data storage system. Multi-stage speed, temperature, time control system. It has ultra-low speed running function and unique dynamic balance design to ensure smooth running.

Desktop Constant Temperature Shaker

ICB-S100B ICB-S200B ICB-S100D ICB-S200D
ICB-SL100F ICB-SL200F

Selling point

- Capacity:70L
- Convolution /Reciprocate shaking
- Unidimensional /Track drive
- P.I.D microprocessor chip control
- LCD display

Desktop Constant Temperature Shaker has intelligent refrigeration frost-free operation technology, which can make the equipment run stably for a long time at low temperature, with automatic defrosting function; ultra-low speed operation, after the speed is out of control, it will automatically lock and the starting speed can be adjusted.

Features

- **Advanced USB data automatic record, download and processing system.**
  It has large storage, and automatic recording & saving in the full test processing. The data could be directly downloaded by USB or automatically downloaded by wireless.
- **Automatic analyzing, listing table, charting and printing on downloaded dates.**
  back to the whole process of experiment in order to optimize the reaction conditions and choose the test method to confirm the experiment process.

- **High quality servo motor.**
  Speed control accurately, noiseless, durable and high efficiency.
- **Multi-steps rotate speed, temperature and time control systems.**
  Different rotational speed, temperature and time can be set at one time; operation model can be automatically converted during operation.
- **Slow accelerate and decelerate design**
  Slowly start and stop, prevent bacteria or cells to shear force is too large and damage.
- **Advantaged air duct design.**
  Air duct design contributes to high-precision temperature uniformity.
- **Automatic defrosting function.**
  It makes shakers operating stably in low temperature for a long time.
- **High-precision speed control.**
  PID feedback control, the motor speed is stable and accurate, the accuracy of ± 1RPM
- **High-precision temperature control.**
  PID feedback control, the measurement accuracy of 0.1 °C. Audible and visual alarm, when the measured temperature deviation from the set value ≥ ± 3 °C
- **Unique drive system.**
  It makes the machine running smoothly, stably, durably and reliably.
- **Open door protection.**
  When the door opens, the machine stops running to protect the safety of the operator.
- **LCD display with bright illumination.**
  Running parameters and statues are clearly displayed on the LCD screen for easy visualization and programming.
- **Memorized and protected operating parameters.**
  Unexpected power outage, the original set-up process can be automatically resumed.
- **Continuously running or timing.**
  Shakers can display the set time and time remaining
- **Unique slow-start design.**
  Preventing the shake-flask liquid splashing caused by a sudden start, effectively guaranteeing the accuracy of quantitative experiments. Clock and date can be displayed (touch screen only).

Specifications

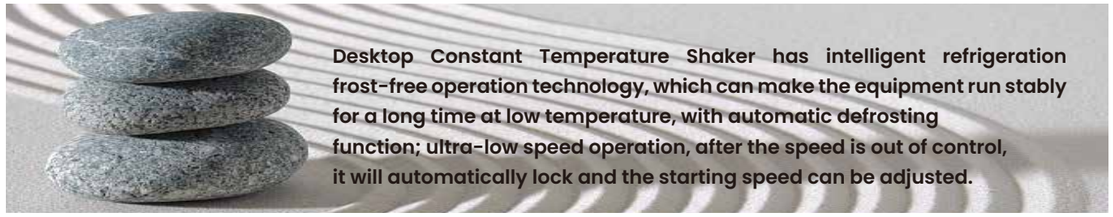
Model	ICB-S100B	ICB-S200B	ICB-S100D	ICB-S200D	ICB-SL100F	ICB-SL200F
Control mode	P.I.D microprocessor chip		P.I.D microprocessor chip			
Convection mode	Forced convection		Forced convection			
Shake mode	Convolution		Convolution		Reciprocate	
Display	LCD display		LCD display			
Drive mode	Unidimensional drive		Unidimensional drive		Track drive	
System of USB data download and analysis	Yes		Yes			
Control system	Multiple programmable mode(Temp.,speed,time)		Multiple programmable mode(Temp.,speed,time)			
Cyclotron frequency range(rpm/min)	0, 20-450 (To do static culture)		0, 20-600(To do static culture)		0，20-260(To do static culture)	
Cyclotron frequency sensitivity(rpm)	±1		±1			
Orbit diameter(mm)	Φ26		Φ0-50		Φ0-50	
Max. capacity	100ml×23 or 250ml×16 or 500ml×9 or 1000ml×6 or 2000ml×4		100ml×23 or 250ml×16 or 500ml×9 or 1000ml×6 or 2000ml×4			
Standard capacity	500ml×3	500ml×3	500ml×3	500ml×3	500ml×3	500ml×3
	250ml×3	250ml×4	250ml×3	250ml×4	250ml×3	250ml×4
	100ml×4	100ml×5	100ml×4	100ml×5	100ml×4	100ml×5
	50ml×4	50ml×5	50ml×4	50ml×5	50ml×4	50ml×5
Size of platform(mm)	450×410		410×360			
Timing range(h)	0-9999h/min(Any time,continuous duty)		0-9999h/min(Any time,continuous duty)			
Temperature range(℃)	Ambient +5℃~ 65℃ （No refrigeration）	4℃~65℃ （refrigeration）	Ambient +5℃~ 65℃ （No refrigeration）	4℃~65℃ （refrigeration）	Ambient +5℃~ 65℃ （No refrigeration）	4℃~65℃ （refrigeration）
Temperature regulate sensitivity(℃)	±0.1		±0.1			
Temperature uniformity(℃)	±0.5（37℃）		±0.5（37℃）			
Temperature fluctuation(℃)	≤0.1（37℃）		≤0.1（37℃）			
Number of platform	One		One			
External dimension（W*D*H）(mm)	750×710×520		750×710×520			
Capacity（L）	70		70			
Power（W）	550	650	550	650	550	650
Electricity	AC220±10%, 50Hz		AC220±10%, 50Hz			
Net weight(kg)	75	90	75	90	75	90
Gross weight(kg)	105	120	105	120	105	120
Other functions	Ultra-low speed start, Adjustable start speed,Over-speed		Ultra-low speed start, Adjustable start speed,Over-speed auto-protection，			
	auto-protection，Automatically stop when opening the door,		Automatically stop when opening the door,Watch dog timer，			
	Watch dog timer，Parameters Storage，Encryption parameters，		Parameters Storage，Encryption parameters，			
	Electricity incoming recovery，		Electricity incoming recovery，			
	Refrigeration unit overload protection，		Refrigeration unit overload protection，			
	Sound and light alarm when upper and lower over-temperature		Sound and light alarm when upper and lower over-temperature			

Desktop Constant Temperature Shaker

ICB-S1102 ICB-S2102 ICB-S1102D ICB-S2102D

Selling point

- Capacity:305L/400L
- Convolution shaking
- Multidimensional drive
- P.I.D microprocessor chip control
- LCD display



Features

- **Advanced USB data automatic record, download and processing system.**
  It has large storage, and automatic recording & saving in the full test processing. The data could be directly downloaded by USB or automatically downloaded by wireless.
- **Automatic analyzing, listing table, charting and printing on downloaded dates.**
  It can trace back to the whole process of experiment in order to optimize the reaction conditions and choose the test method to confirm the experiment process.
- **High quality servo motor.**
  Speed control accurately, noiseless, durable and high efficiency.
- **Multi-steps rotate speed, temperature and time control systems.**
  Different rotational speed, temperature and time can be set at one time; operation model can be automatically converted during operation.
- **Slow accelerate and decelerate design**
  Slowly start and stop, prevent bacteria or cells to shear force is too large and damage.
- **Advantaged air duct design.**
  Air duct design contributes to high-precision temperature uniformity.
- **Automatic defrosting function.**
  It makes shakers operating stably in low temperature for a long time.
- **High-precision speed control.**
  PID feedback control, the motor speed is stable and accurate, the accuracy of ± 1RPM
- **High-precision temperature control.**
  PID feedback control, the measurement accuracy of 0.1 °C. Audible and visual alarm, when the measured temperature deviation from the set value ≥ ± 3 °C
- **Unique drive system.**
  It makes the machine running smoothly, stably, durably and reliably.
- **Function of encrypted and locked operating parameters.**
  It can avoid human errors.
- **LCD display with bright illumination.**
  Running parameters and statues are clearly displayed on the LCD screen for easy visualization and programming.
- **Memorized and protected operating parameters.**
  Unexpected power outage, the original set-up process can be automatically resumed.
- **Clock and date can be displayed (touch screen only).**
- **Continuously running or timing.**
  Shakers can display the set time and time remaining
- **Unique slow-start design.**
  Preventing the shake-flask liquid splashing caused by a sudden start, effectively guaranteeing the accuracy of quantitative experiments. Clock and date can be displayed (touch screen only).

Specifications

Model	ICB-S1102	ICB-S2102
Control mode	P.I.D microprocessor chip	
Convection mode	Forced convection	
Shake mode	Convolution	
Display	LCD display	
Drive mode	Multidimensional drive	
System of USB data download and analysis	Yes	
Control system	Multiple programmable mode(Temp.,speed,time)	
Cyclotron frequency range(rpm/min)	0；20-350(To do static culture)	
Cyclotron frequency sensitivity(rpm)	±1	
Orbit diameter(mm)	Φ26	
Max. capacity	100ml×100	
	or 250ml×56	
	or 500ml×44	
	or 1000ml×24	
Standard capacity	250ml×28 500ml×22	
Size of platform(mm)	710×455	
Timing range(h)	0-9999h/min(Any time,continuous duty)	
Temperature range(℃)	Ambient +5℃~65℃ （No refrigeration	4℃~65℃ （Refrigeration）
Temperature regulate sensitivity(℃)	±0.1	
Temperature uniformity(℃)	±0.5（37℃）	
Temperature fluctuation(℃)	≤0.1（37℃）	
Number of platform	Two	
Outside dimension(W*D*H)(mm)	950×700×1280	
Capacity(L)	305	
Power(W)	900	1150
Electricity	AC220±10% , 50Hz	
Net weight(kg)	270	280
Gross weight(kg)	330	340
Other functions	Ultra-low speed start, Adjustable start speed，Overspeed auto-prtection，Watch dog timer，Parameters Storage，Encryption parameters，Electricity incoming recovery，Refrigeration unit overload protectio，Sound and light alarm when upper and lower overtemperature，Automatically stop when opening the door (optional)，Function of lighting and UV disinfection	

Specifications

Model	ICB-S1102D	ICB-S2102D
Control mode	P.I.D microprocessor chip	
Convection mode	Forced convection	
Shake mode	Convolution	
Display	LCD display	
Drive mode	Multidimensional drive	
System of USB data download and analysis	Yes	
Control system	Multiple programmable mode(Temp.,speed,time)	
Cyclotron frequency range(rpm/min)	0；20-350(To do static culture)	
Cyclotron frequency sensitivity(rpm)	±1	
Orbit diameter(mm)	Φ26	
Max. capacity	250ml×90	
	or500ml×56	
	or 1000ml×30	
	or 2L×16	
Standard capacity	250ml*39 500ml*23	
Size of platform(mm)	780*450	
Timing range(h)	0-9999h/min(Any time,continuous duty)	
Temperature range(℃)	Ambient +5℃~65℃ （No refrigeration）	4℃~65℃ （Refrigeration）
Temperature regulate sensitivity(℃)	±0.1	
Temperature uniformity(℃)	±0.5（37℃）	
Temperature uniformity(℃)	≤0.1（37℃）	
Number of platform	Two	
Outside dimension（W*D*H）（mm）	1020×700×1460	
Capacity（L）	400	
Power（W）	900	1150
Electricity	AC220±10% , 50Hz	
Net weight(kg)	290	300
Gross weight(kg)	350	360
Other functions	Ultra-low speed start, Adjustable start speed，Overspeed auto-prtection，Watch dog timer，Parameters Storage，Encryption parameters，Electricity incoming recovery，Refrigeration unit overload protectio，Sound and light alarm when upper and lower overtemperature，Automatically stop when opening the door (optional)，Function of lighting and UV disinfection	

Desktop Constant Temperature Shaker

ICB-S1102C ICB-S2102C ICB-S1102CD ICB-S2102CD

Selling point

- Capacity:160L/218L
- Convolution shaking
- Multidimensional drive
- P.I.D microprocessor chip control
- LCD display

Features

- **Advanced USB data automatic record, download and processing system.**
  It has large storage, and automatic recording & saving in the full test processing. The data could be directly downloaded by USB or automatically downloaded by wireless.
- **Automatic analyzing, listing table, charting and printing on downloaded dates.**
  It can trace back to the whole process of experiment in order to optimize the reaction conditions and choose the test method to confirm the experiment process.
- **High quality servo motor.**
  Speed control accurately, noiseless, durable and high efficiency.
- **Multi-steps rotate speed, temperature and time control systems.**
  Different rotational speed, temperature and time can be set at one time; operation model can be automatically converted during operation.
- **Slow accelerate and decelerate design**
  Slowly start and stop, prevent bacteria or cells to shear force is too large and damage.
- **Advantaged air duct design.**
  Air duct design contributes to high-precision temperature uniformity.
- **Automatic defrosting function.**
  It makes shakers operating stably in low temperature for a long time.
- **High-precision speed control.**
  PID feedback control, the motor speed is stable and accurate, the accuracy of ± 1RPM
- **High-precision temperature control.**
  PID feedback control, the measurement accuracy of 0.1 °C. Audible and visual alarm, when the measured temperature deviation from the set value ≥ ± 3 °C
- **Unique drive system.**
  It makes the machine running smoothly, stably, durably and reliably.
- **Function of encrypted and locked operating parameters.**
  It can avoid human errors.
- **LCD display with bright illumination.**
  Running parameters and statues are clearly displayed on the LCD screen for easy visualization and programming.
- **Memorized and protected operating parameters.**
  Unexpected power outage, the original set-up process can be automatically resumed.
- **Clock and date can be displayed (touch screen only).**
- **Continuously running or timing.**
  Shakers can display the set time and time remaining
- **Unique slow-start design.**
  Preventing the shake-flask liquid splashing caused by a sudden start, effectively guaranteeing the accuracy of quantitative experiments. Clock and date can be displayed (touch screen only).

Specifications

Model	ICB-S1102C	ICB-S2102C
Control mode	P.I.D microprocessor chip	
Convection mode	Forced convection	
Shake mode	Convolution	
Display	LCD display	
Drive mode	Multidimensional drive	
System of USB data download and analysis	Yes	
Control system	Multiple programmable mode(Temp.,speed,time)	
Cyclotron frequency range(rpm/min)	0；20-350(To do static culture)	
Cyclotron frequency sensitivity(rpm)	±1	
Orbit diameter(mm)	Φ26	
Max. capacity	100ml×60	
	or 250ml×38	
	or 500ml×22	
	or 1000ml×16	
Standard capacity	250ml×24	
Size of platform(mm)	500×360	
Timing range(h)	0-9999h/min(Any time,continuous duty)	
Temperature range(℃)	Ambient+5℃~65℃ (No refrigeration)	4℃~65℃ (Refrigeration)
Temperature regulate sensitivity(℃)	±0.1	
Temperature uniformity(℃)	±0.5（37℃）	
Temperature fluctuation(℃)	≤0.1（37℃）	
Number of platform	Two	
Outside dimension(W*D*H)(mm)	700×580×1280	
Capacity(L)	160	
Power(W)	600	850
Electricity	AC220±10% ,50Hz	
Net weight(kg)	160	180
Gross weight(kg)	210	220
Other functions	Ultra-low speed start, Adjustable start speed, over-speed auto-prtection, Watch dog timer, Parameters Storage, Encryption parameters, Electricity incoming recovery, Refrigeration unit overload protection, Sound and light alarm when upper and lower over-temperature, Automatically stop when opening the door (optional), Function of lighting and UV disinfection	

Model	ICB-S1102CD	ICB-S2102CD
Control mode	P.I.D microprocessor chip	
Convection mode	Forced convection	
Shake mode	Convolution	
Display	LCD display	
Drive mode	Multidimensional drive	
System of USB data download and analysis	Yes	
Control system	Multiple programmable mode(Temp.,speed,time)	
Cyclotron frequency range(rpm/min)	0；20-350(To do static culture)	
Cyclotron frequency sensitivity(rpm)	±1	
Orbit diameter(mm)	Φ26	
Max. capacity	100ml×84	
	or 250ml×50	
	or 500ml×32	
	or 1000ml×18	
Standard capacity	250ml×48	
Size of platform(mm)	485×485	
Timing range(h)	0-9999h/min(Any time,continuous duty)	
Temperature range(℃)	Ambient+5℃~65℃ (No refrigeration)	4℃~65℃ (Refrigeration)
Temperature regulate sensitivity(℃)	±0.1	
Temperature uniformity(℃)	±0.5（37℃）	
Temperature uniformity(℃)	≤0.1（37℃）	
Number of platform	Two	
Outside dimension（W*D*H）(mm)	700×710×1320	
Capacity（L)	218	
Power（W)	600	850
Electricity	AC220±10% ,50Hz	
Net weight(kg)	180	200
Gross weight(kg)	230	240
Other functions	Ultra-low speed start, Adjustable start speed, over-speed auto-prtection, Watch dog timer, Parameters Storage, Encryption parameters, Electricity incoming recovery, Refrigeration unit overload protection, Sound and light alarm when upper and lower over-temperature, Automatically stop when opening the door (optional), Function of lighting and UV disinfection	

Shaking incubator, Vertical type

ICB-S111B ICB-S211B ICB-S111BD ICB-S211BD

LCD display with bright illumination.

Running parameters and statues are clearly displayed on the LCD screen for easy visualization and programming.

Continuously running or timing.

Shakers can display the set time and time remaining

Memorized and protected operating parameters.

Unexpected power outage, the original set-up process can be automatically resumed.

Function of encrypted and locked operating parameters.

It can avoid human errors.

Specifications

Model	ICB-S111B	ICB-S211B	ICB-S111BD	ICB-S211BD
Control mode	P.I.D microprocessor chip			
Convection mode	Forced convection			
Shake mode	Convolution			
Display	LCD display			
Drive mode	Unidimensional drive			
System of USB data download and analysis	Yes			
Control system	Multiple programmable mode(Temp.,speed,time)			
Cyclotron frequency range (rpm/min)	0；20-350(To do static culture)			
Cyclotron frequency sensitivity(rpm)	±1			
Orbit diameter(mm)	Φ26			
Max.capacity	100ml×66 or 250ml×45 or 500ml×28 or 1000ml×15 or 2000ml×11		250ml×67 or500ml×42 or 1LI×24 or 2L×15	
Standard capacity	500ml×28		500ml×38	
Size of platform(mm)	920×500		920×540	
Timing range(h)	0-9999h/min(Any time,continuous duty)			
Temperature range(℃)	Ambient +5℃~65℃ (No refrigeration)	4℃~65℃ (Refrigeration)	Ambient +5℃~65℃ （No refrigeration）	4℃~65℃ (Refrigeration)
Temperature regulate sensitivity(℃)	±0.1			
Temperature uniformity(℃)	±0.5（37℃）			
Temperature fluctuation(℃)	≤0.1（37℃）			
Number of platform	Two			
Outside dimension(W*D*H)（mm）	1200×760×880			
Capacity(L)	203		220	
Power(W)	650	900	650	900
Electricity	AC220±10%，50Hz			
Net weight(kg)	170	190	170	190
Gross weight(kg)	250	260	250	260
Other functions	Ultra-low speed start, Adjustable start speed，Overspeed auto-prtection，Watch dog timer，Parameters Storage，Encryption parameters，Electricity incoming recovery，Refrigeration unit overload protection，Sound and light alarm when upper and lower overtemperature，Automatically stop when opening the door (optional)，Function of lighting and UV disinfection			

Features

- **High quality servo motor.**
  Speed control accurately, noiseless, durable and high efficiency.
- **Multi-steps rotate speed, temperature and time control systems.**
  Different rotational speed, temperature and time can be set at one time; operation model can be automatically converted during operation.
- **Unique drive system.**
  It makes the machine running smoothly, stably, durably and reliably.
- **Slow accelerate and decelerate design.**
  Slowly start and stop, prevent bacteria or cells to shear force is too large and damage.
- **Advantaged air duct design.**
  Air duct design contributes to high-precision temperature uniformity.
- **Unique slow-start design.**
  Preventing the shake-flask liquid splashing caused by a sudden start, effectively guaranteeing the accuracy of quantitative experiments

High-precision speed control.
PID feedback control, the motor speed is stable and accurate, the accuracy of ± 1RPM

High-precision temperature control.
PID feedback control, the measurement accuracy of 0.1 °C. Audible and visual alarm, when the measured temperature deviation from the set value ≥ ± 3 °C,

Automatic defrosting function.
It makes shakers operating stably in low temperature for a long time.

Advanced USB data automatic record, download and processing system.
It has large storage, and automatic recording & saving in the full test processing. The data could be directly downloaded by USB or automatically downloaded by wireless.

Automatic analyzing, listing table, charting and printing on downloaded dates.
It can trace back to the whole process of experiment in order to optimize the reaction conditions and choose the test method to confirm the experiment process.

- Clock and date can be displayed (touch screen only).

Description

Horizontal Constant Temperature Shaking incubator has a USB data storage system. Multi-stage speed, temperature, time control system. It has ultra-low speed running function and unique dynamic balance design to ensure smooth running.

Shaking incubator, Vertical type

ICB-S111C ICB-S211C ICB-SL111F ICB-SL211F

LCD display with bright illumination.

Running parameters and statues are clearly displayed on the LCD screen for easy visualization and programming.

Continuously running or timing.

Shakers can display the set time and time remaining

Memorized and protected operating parameters.

Unexpected power outage, the original set-up process can be automatically resumed.

Function of encrypted and locked operating parameters.

It can avoid human errors.

Specifications

Model	ICB-S111C	ICB-S211C	ICB-SL111F	ICB-SL211F
Control mode	P.I.D microprocessor chip			
Convection mode	Forced convection			
Shake mode	Convolution		Reciprocate	
Display	LCD display			
Drive mode	Unidimensional drive		Track drive	
System of USB data download and analysis	Yes			
Control system	Multiple programmable mode(Temp.,speed,time)			
Cyclotron frequency range (rpm/min)	0；20-350(To do static culture)		0；20-260(To do static culture)	
Cyclotron frequency sensitivity(rpm)	±1			
Orbit diameter(mm)	Φ26		0-50	
Max.capacity	250ml×45			
	or 500m×28		100ml×66	
	or 1L×15		or250ml×45	
	or 2L×11		or 500ml×28	
	or 3L×8		or 1000ml×15	
	or 5L×6			
Standard capacity	2000ml×8		500ml×28	
Size of platform(mm)	920×500		920×500	
Timing range(h)	0-9999h/min(Any time,continuous duty)			
Temperature range(℃)	Ambient +5℃~65℃ (No refrigeration)	4℃~65℃ (Refrigeration)	Ambient +5℃~65℃ (No refrigeration)	4℃~65℃ (Refrigeration)
Temperature regulate sensitivity(℃)	±0.1			
Temperature uniformity(℃)	±0.5(37℃)			
Temperature fluctuation(℃)	≤0.1(37℃)			
Number of platform	One			
Outside dimension(W*D*H)（mm）	1200×760×1050		1200×760×880	
Capacity(L)	296		203	
Power(W)	650	950	650	900
Electricity	AC220±10% , 50Hz			
Net weight(kg)	180	200	170	190
Gross weight(kg)	260	270	250	260
Other functions	Ultra-low speed start, Adjustable start speed，Overspeed auto-prtection，Watch dog timer，Parameters Storage，Encryption parameters，Electricity incoming recovery，Refrigeration unit overload protection，Sound and light alarm when upper and lower overtemperature，Automatically stop when opening the door (optional)，Function of lighting and UV disinfection			

Features

- **High quality servo motor.**
  Speed control accurately, noiseless, durable and high efficiency.
- **Multi-steps rotate speed, temperature and time control systems.**
  Different rotational speed, temperature and time can be set at one time; operation model can be automatically converted during operation.
- **Unique drive system.**
  It makes the machine running smoothly, stably, durably and reliably.
- **Slow accelerate and decelerate design.**
  Slowly start and stop, prevent bacteria or cells to shear force is too large and damage.
- **Advantaged air duct design.**
  Air duct design contributes to high-precision temperature uniformity.
- **Unique slow-start design.**
  Preventing the shake-flask liquid splashing caused by a sudden start, effectively guaranteeing the accuracy of quantitative experiments

High-precision speed control.
PID feedback control, the motor speed is stable and accurate, the accuracy of ± 1RPM

High-precision temperature control.
PID feedback control, the measurement accuracy of 0.1 °C. Audible and visual alarm, when the measured temperature deviation from the set value ≥ ± 3 °C,

Automatic defrosting function.
It makes shakers operating stably in low temperature for a long time.

Advanced USB data automatic record, download and processing system.
It has large storage, and automatic recording & saving in the full test processing. The data could be directly downloaded by USB or automatically downloaded by wireless.

Automatic analyzing, listing table, charting and printing on downloaded dates.
It can trace back to the whole process of experiment in order to optimize the reaction conditions and choose the test method to confirm the experiment process.

- Clock and date can be displayed (touch screen only).

Description

Horizontal Constant Temperature Shaker has a USB data storage system. Multi-stage speed, temperature, time control system. It has ultra-low speed running function and unique dynamic balance design to ensure smooth running.

Stacked Thermostatic Oscillator

ICB-2S102 ICB-2S202

Selling point

- Capacity:306L
- Convolution shaking
- Multidimensional drive
- P.I.D microprocessor chip control
- LCD display&Button type

Description

The large capacity stacked thermostatic oscillator is a combination of one, two or three layers, which occupies a small area and provides users with a large space for use. Each layer can be controlled independently, and each layer can be operated simultaneously at different temperature and rotation speed or any layer can be operated according to needs.

Features

- **Pull out rail platform.**
  It can easily pull the platform out to load or unload fixtures and then push it back and lock, which is fast and convenient to operation.
- **Three stackable layers structure.**
  Each layer can be independently controlled. Temperature, speed and time can be set alone. Users can run any layer according to need.
- Note: stackable incubator shaker would be optional high temperature incubator shaker (temperature up to 80 ℃); Humidifying incubator shaker.
- **High pressure water rinses the bottom of the chamber and platform**
  Simple cleaning, fast and efficient.
- **Advanced USB data automatic record, download and processing system.**
  It has large storage, and automatic recording & saving in the full test processing. The data could be directly downloaded by USB or automatically downloaded by wireless.
- **Automatic analyzing, listing table, charting and printing on downloaded dates**
  It can trace back to the whole process of experiment in order to optimize the reaction conditions and choose the test method to confirm the experiment process.
- **High quality servo motor.** Speed control accurately, noiseless, durable and high efficiency.
- **Multi-steps rotate speed, temperature and time control systems.** Different rotational speed, temperature and time can be set at one time; operation model can be automatically converted during operation.
- **Slow accelerate and decelerate design.** Slowly start and stop, prevent bacteria or cells to shear force is too large and damage.

- **Advantaged air duct design.** Air duct design contributes to high-precision temperature uniformity.
- **Automatic defrosting function.** It makes shakers operating stably in low temperature for a long time.
- **High-precision speed control.** PID feedback control, the motor speed is stable and accurate, the accuracy of ± 1RPM
- **High-precision temperature control.** PID feedback control, the measurement accuracy of 0.1 °C. Audible and visual alarm, when the measured temperature deviation from the set value ≥ ± 3 °C,
- **Unique drive system.** It makes the machine running smoothly, stably, durably and reliably.
- **Open door protection.** When the door opens, the machine stops running to protect the safety of the operator.
- **LCD display with bright illumination.** Running parameters and statues are clearly displayed on the LCD screen for easy visualization and programming.
- **Memorized and protected operating parameters.** Unexpected power outage, the original set-up process can be automatically resumed.
- **Function of encrypted and locked operating parameters.** It can avoid human errors.
- **Continuously running or timing.** Shakers can display the set time and time remaining
- **Unique slow-start design.** Preventing the shake-flask liquid splashing caused by a sudden start, effectively guaranteeing the accuracy of quantitative experiments
- Clock and date can be displayed (touch screen only).

Model	ICB-2S102	ICB-2S202
Control mode	P.I.D microprocessor chip	
Convection mode	Forced convection	
Shake mode	Convolution	
Display	LCD display	
Drive mode	Multidimensional drive	
System of USB data download and analysis	Yes	
Control system	Multiple programmable mode(temp,speed,time)	
Cyclotron frequency range(rpm/min)	0；20-350(top floor 20-300)(To do static culture)	
Cyclotron frequency sensitivity(rpm)	±1	
Orbit Diameter(mm)	Φ26	
Max. capacity	250ml×60	
	or 500ml×40	
	or1000ml×20	
	or 2000ml×11(per unit)	
Standard capacity	500ml×33	
Size of platform(mm)	830×510	
Timing range(h)	0-9999(Any time,continuous duty)	
Temperature range(℃)	Ambient +5℃~ 65℃ (No refrigeration)	4℃~ 65℃ (Refrigeration)
Temperature regulate sensitivity(℃)	±0.1	
Temperature uniformity(℃)	±0.6（37℃）	
Temperature fluctuation(℃)	≤0.1（37℃）	
Number of platform	One (per unit)	
External dimension（W*D*H)（mm）	1360×830×620(per unit)	
Capacity（L)	306	
Power（W)	1600	1800
Electricity	AC220±10%, 50Hz	
Net weight(kg)	200	210
Gross weight(kg)	230	240

Stacked Thermostatic Oscillator

ICB-2S103 ICB-2S203

Selling point

- Capacity:180L
- Convolution shaking
- Multidimensional drive
- P.I.D microprocessor chip control
- LCD display&Button type

Description

The large capacity stacked thermostatic oscillator is a combination of one, two or three layers, which occupies a small area and provides users with a large space for use. Each layer can be controlled independently, and each layer can be operated simultaneously at different temperature and rotation speed or any layer can be operated according to needs.

Features

- **Pull out rail platform.**

  It can easily pull the platform out to load or unload fixtures and then push it back and lock, which is fast and convenient to operation.
- **Three stackable layers structure**

  Each layer can be independently controlled. Temperature, speed and time can be set alone. Users can run any layer according to need.
- Note: stackable incubator shaker would be optional high temperature incubator shaker (temperature up to 80 ℃); Humidifying incubator shaker.
- **High pressure water rinses the bottom of the chamber and platform**

  Simple cleaning, fast and efficient.
- **Advanced USB data automatic record, download and processing system.**

  It has large storage, and automatic recording & saving in the full test processing. The data could be directly downloaded by USB or automatically downloaded by wireless.
- **Automatic analyzing, listing table, charting and printing on downloaded dates.**

  It can trace back to the whole process of experiment in order to optimize the reaction conditions and choose the test method to confirm the experiment process.
- **High quality servo motor.** Speed control accurately, noiseless, durable and high efficiency.
- **Multi-steps rotate speed, temperature and time control systems.** Different rotational speed, temperature and time can be set at one time; operation model can be automatically converted during operation.
- **Slow accelerate and decelerate design.** Slowly start and stop, prevent bacteria or cells to shear force is too large and damage.

- **Advantaged air duct design.** Air duct design contributes to high-precision temperature uniformity.
- **Automatic defrosting function.** It makes shakers operating stably in low temperature for a long time.
- **High-precision speed control.**PID feedback control, the motor speed is stable and accurate, the accuracy of ± 1RPM.
- **High-precision temperature control.** PID feedback control, the measurement accuracy of 0.1 °C. Audible and visual alarm, when the measured temperature deviation from the set value ≥ ± 3 °C,
- **Unique drive system.** It makes the machine running smoothly, stably, durably and reliably.
- **Open door protection.** When the door opens, the machine stops running to protect the safety of the operator.
- **LCD display with bright illumination.** Running parameters and statues are clearly displayed on the LCD screen for easy visualization and programming.
- **Memorized and protected operating parameters.** Unexpected power outage, the original set-up process can be automatically resumed.
- **Function of encrypted and locked operating parameters.** It can avoid human errors.
- **Continuously running or timing.** Shakers can display the set time and time remaining.
- **Unique slow-start design.** Preventing the shake-flask liquid splashing caused by a sudden start, effectively guaranteeing the accuracy of quantitative experiments.
- Clock and date can be displayed (touch screen only).

Model	ICB-2S103	ICB-2S203
Control mode	P.I.D microprocessor chip	
Convection mode	Forced convection	
Shake mode	Convolution	
Display	LCD display	
Drive mode	Multidimensional drive	
System of USB data download and analysis	Yes	
Control system	Multiple programmable mode(temp,speed,time)	
Cyclotron frequency range(rpm/min)	0；20-350(top floor 20-300)(To do static culture)	
Cyclotron frequency sensitivity(rpm)	±1	
Orbit Diameter(mm)	Φ26	
Max. capacity	250ml×32	
	or 500ml×21	
	or 1L×13	
	or 2L×7(per unit)	
Standard capacity	500mll×21	
Size of platform(mm)	610×460	
Timing range(h)	0-9999(Any time,continuous duty)	
Temperature range(℃)	Ambient +5°C~ 65°C (No refrigeration)	4°C~ 65°C (Refrigeration)
Temperature regulate sensitivity(℃)	±0.1	
Temperature uniformity(℃)	±0.6（37℃）	
Temperature fluctuation(℃)	≤0.1（37℃）	
Number of platform	One (per unit)	
External dimension(W*D*H)（mm）	1120×790×620(per unit)	
Capacity(L)	180	
Power(W)	1000	1200
Electricity	AC220±10%, 50Hz	
Net weight(kg)	190	190
Gross weight(kg)	220	230

Small Capacity Stacked Thermostatic Oscillator

ICB-2S106 ICB-2S206

Selling point

- Capacity:164L
- Convolution shaking
- Multidimensional drive
- P.I.D microprocessor chip control
- LCD display&Button type

Description

The large capacity stacked thermostatic oscillator is a combination of one, two or three layers, which occupies a small area and provides users with a large space for use. Each layer can be controlled independently, and each layer can be operated simultaneously at different temperature and rotation speed or any layer can be operated according to needs.

Features

- **Pull out rail platform.**
  It can easily pull the platform out to load or unload fixtures and then push it back and lock, which is fast and convenient to operation.
- **Three stackable layers structure**
  Each layer can be independently controlled. Temperature, speed and time can be set alone. Users can run any layer according to need.
- Note: stackable incubator shaker would be optional high temperature incubator shaker (temperature up to 80 ℃); Humidifying incubator shaker.
- **High pressure water rinses the bottom of the chamber and platform**
  Simple cleaning, fast and efficient.
- **Advanced USB data automatic record, download and processing system.**
  It has large storage, and automatic recording & saving in the full test processing. The data could be directly downloaded by USB or automatically downloaded by wireless.
- **Automatic analyzing, listing table, charting and printing on downloaded dates.**
  It can trace back to the whole process of experiment in order to optimize the reaction conditions and choose the test method to confirm the experiment process.
- **High quality servo motor.** Speed control accurately, noiseless, durable and high efficiency.
- **Multi-steps rotate speed, temperature and time control systems.** Different rotational speed, temperature and time can be set at one time; operation model can be automatically converted during operation.
- **Slow accelerate and decelerate design.** Slowly start and stop, prevent bacteria or cells to shear force is too large and damage.
- **Advantaged air duct design.** Air duct design contributes to high-precision temperature uniformity.
- **Automatic defrosting function.** It makes shakers operating stably in low temperature for a long time.
- **High-precision speed control.**PID feedback control, the motor speed is stable and accurate, the accuracy of ± 1RPM.
- **High-precision temperature control.** PID feedback control, the measurement accuracy of 0.1 °C. Audible and visual alarm, when the measured temperature deviation from the set value ≥ ± 3 °C,
- **Unique drive system.** It makes the machine running smoothly, stably, durably and reliably.
- **Open door protection.** When the door opens, the machine stops running to protect the safety of the operator.
- **LCD display with bright illumination.** Running parameters and statues are clearly displayed on the LCD screen for easy visualization and programming.
- **Memorized and protected operating parameters.** Unexpected power outage, the original set-up process can be automatically resumed.
- **Function of encrypted and locked operating parameters.** It can avoid human errors.
- **Continuously running or timing.** Shakers can display the set time and time remaining.
- **Unique slow-start design.** Preventing the shake-flask liquid splashing caused by a sudden start, effectively guaranteeing the accuracy of quantitative experiments.

  Clock and date can be displayed (touch screen only).

Model	ICB-2S106	ICB-2S206
Control mode	P.I.D microprocessor chip	
Convection mode	Forced convection	
Shake mode	Convolution	
Display	LCD display	
Drive mode	Multidimensional drive	
System of USB data download and analysis	Yes	
Control system	Multiple programmable mode(temp,speed,time)	
Cyclotron frequency range(rpm/min)	0；20-350(top floor 20-300)(To do static culture)	
Cyclotron frequency sensitivity(rpm)	±1	
Orbit Diameter(mm)	Φ26	
Max. capacity	250ml×25 or 500ml×16 or 1L×9 or 2L×5 (3L×5 or 5L×4)(per unit)	250ml×25 or500ml×16 or 1L×9 or 2L×5(per unit)
Standard capacity	500ml×16	
Size of platform(mm)	475*465	
Timing range(h)	0-9999(Any time,continuous duty)	
Temperature range(℃)	Ambient +5℃~ 65℃ （Refrigeration）	4℃~ 65℃ （ Refrigeration）
Temperature regulate sensitivity(℃)	±0.1	
Temperature uniformity(℃)	±0.6（37℃）	
Temperature fluctuation(℃)	≤0.1（37℃）	
Number of platform	One (per unit)	
External dimension(W*D*H)（mm）	890×760×650(per unit)	870×755×650(per unit)
Capacity(L)	164	
Power(W)	550	650
Electricity	AC220±10%, 50Hz	
Net weight(kg)	140	150
Gross weight(kg)	160	170

Small Capacity Stacked Thermostatic Oscillator

ICB-2S108

Description

The large capacity stacked thermostatic oscillator is a combination of one, two or three layers, which occupies a small area and provides users with a large space for use. Each layer can be controlled independently, and each layer can be operated simultaneously at different temperature and rotation speed or any layer can be operated according to needs.

Features

- **Pull out rail platform.**
  It can easily pull the platform out to load or unload fixtures and then push it back and lock, which is fast and convenient to operation.
- **Three stackable layers structure**
  Each layer can be independently controlled. Temperature, speed and time can be set alone. Users can run any layer according to need.
- Note: stackable incubator shaker would be optional high temperature incubator shaker (temperature up to 80 ℃); Humidifying incubator shaker.
- **High pressure water rinses the bottom of the chamber and platform**
  Simple cleaning, fast and efficient.
- **Advanced USB data automatic record, download and processing system.**
  It has large storage, and automatic recording & saving in the full test processing. The data could be directly downloaded by USB or automatically downloaded by wireless.
- **Automatic analyzing, listing table, charting and printing on downloaded dates.**
  It can trace back to the whole process of experiment in order to optimize the reaction conditions and choose the test method to confirm the experiment process.
- **High quality servo motor.** Speed control accurately, noiseless, durable and high efficiency.
- **Multi-steps rotate speed, temperature and time control systems.** Different rotational speed, temperature and time can be set at one time; operation model can be automatically converted during operation.
- **Slow accelerate and decelerate design.** Slowly start and stop, prevent bacteria or cells to shear force is too large and damage.

- **Advantaged air duct design.** Air duct design contributes to high-precision temperature uniformity.
- **Automatic defrosting function.** It makes shakers operating stably in low temperature for a long time.
- **High-precision speed control.**PID feedback control, the motor speed is stable and accurate, the accuracy of ± 1RPM.
- **High-precision temperature control.** PID feedback control, the measurement accuracy of 0.1 °C. Audible and visual alarm, when the measured temperature deviation from the set value ≥ ± 3 °C,
- **Unique drive system.** It makes the machine running smoothly, stably, durably and reliably.
- **Open door protection.** When the door opens, the machine stops running to protect the safety of the operator.
- **LCD display with bright illumination.** Running parameters and statues are clearly displayed on the LCD screen for easy visualization and programming.
- **Memorized and protected operating parameters.** Unexpected power outage, the original set-up process can be automatically resumed.
- **Function of encrypted and locked operating parameters.** It can avoid human errors.
- **Continuously running or timing.** Shakers can display the set time and time remaining.
- **Unique slow-start design.** Preventing the shake-flask liquid splashing caused by a sudden start, effectively guaranteeing the accuracy of quantitative experiments.

  Clock and date can be displayed (touch screen only).

Model	ICB-2S108
Control mode	P.I.D microprocessor chip
Convection mode	Forced convection
Shake mode	Convolution
Display	LCD display
Drive mode	Multidimensional drive
System of USB data download and analysis	Yes
Control system	Multiple programmable mode(temp,speed,time)
Cyclotron frequency range(rpm/min)	0；20-350(top floor 20-300)(To do static culture)
Cyclotron frequency sensitivity(rpm)	±1
Orbit Diameter(mm)	Φ26
Max. capacity	50ml×20 or 100ml×12 or 250ml×9 or 500ml×6(per unit)
Standard capacity	50ml×4 100ml×4 250ml×4
Size of platform(mm)	396*260
Timing range(h)	0-9999(Any time,continuous duty)
Temperature range(℃)	Ambient +5°C~65°C （Refrigeration）
Temperature regulate sensitivity(℃)	±0.1
Temperature uniformity(℃)	±0.6（37℃）
Temperature fluctuation(℃)	≤0.1（37℃）
Number of platform	One(per unit)
External dimension(W*D*H)（mm）	680×510×480(per unit)
Capacity(L)	30
Power(W)	300
Electricity	AC220±10%，50Hz
Net weight(kg)	70
Gross weight(kg)	90

CO2 Shaking Incubator

ICB-CO2-2S202 ICB-CO2-2S203 ICB-CO2-2S206

Description

- It occupies a small area and provides users with a large space for use. Each layer can be controlled independently, and each layer can be operated simultaneously at different temperature and rotation speed or any layer can be operated according to needs.

Capacity:
ICB-CO2-2S202 : 310L
ICB-CO2-2S203 : 184L
ICB-CO2-2S206 : 164L

Convolution shaking

CO2 range: 0～20.0%

Multidimensional drive

Orbit Diameter: ϕ50mm(ϕ 26, ϕ 35mm can be customized)

Features

Convenient and easy operation.
Users can easily pull the platform out to load or unload fixtures and then push it back and lock, which is fast and convenient to operation.

Three stackable layers structure.
Each layer can be independently controlled. Temperature, speed and time can be set alone. Users can run any layer as required.

High pressure water rinses the bottom of the chamber and platform.
Simple cleaning, fast and efficient.

Advanced USB data automatic record, download and processing system.
It has large storage, and automatic recording & saving in the full test processing. The data could be directly downloaded by USB or automatically downloaded by wireless.

Automatic analyzing, listing table, charting and printing on downloaded dates.
It can trace back to the whole process of experiment in order to optimize the reaction conditions and choose the test method to confirm the experiment process.

High quality servo motor.
Accurate control speed, noiseless, durable and high efficiency.

Multi-steps rotate speed, temperature and time control systems.
Different rotational speed, temperature and time can be set at one time; Operation model can be automatically converted during operation.

Slow accelerate and decelerate design.
Start and stop slowly to prevent bacteria or cells from being damaged by excessive shear force.

Advantaged air duct design.
Air duct design contributes to high-precision temperature uniformity.

Automatic defrosting function.
It makes shakers operating stably in low temperature for a long time.

High-precision speed control.
The motor speed is stable and accurate, and the accuracy is±1RPM.

High-precision temperature control.
The measurement accuracy is 0.1 ° C. Audible and visual alarm will be given when the measured temperature deviates from the set value.

Unique drive system.
It makes the machine running smoothly, stably, durably and reliably.

Open door protection.
The machine stops running to protect the safety of the operator when the door opens.

Super visual 7 inch color touch screen.
Modular classification displays different functions; 7 inch touch screen under large angle to display control parameters.

Real-time temperature and speed curve display function.
Historical data and real-time data are displayed on the same chart for easy check.

Memorized and protected operating parameters.
In case of unexpected power failure, it can automatically restore the original setting process.

Function of encrypted and locked operating parameters.
It can avoid human errors.

Continuously running or timing.
Shakers can display the set time and time remaining

Unique slow-start design.
It can prevent the splashing of shaking bottle liquid caused by sudden startup, and effectively ensure the accuracy of quantitative experiment.

A remote WIFI operation as an optional.
Mobile phone operation can be realized.

Clock and date can be displayed (touch screen only).

Specification

Model		ICB-CO2-2S202	ICB-CO2-2S203	ICB-CO2-2S206
Capacity		310L	184L	164L
Circulation		Forced air convection		
Drive Mode		Multidimensional drive		
Shake Mode		Convolution		
Orbit Diameter		ϕ50mm(ϕ 26, ϕ 35mm can be customized)		
Cyclotron Frequency	Range	0;20-300rpm/min (ICB-CO2-2S202： top floor 20-300) (To do static culture)		
	Resolution	±1rpm		
Dimension (W*D*H)	External	1420×820×630mm (per unit)	1120×790×620mm (per unit)	890×760×650mm (per unit)
	Platform	905×505mm	600×450mm	475×465mm
CO2	Range	0～20.0%		
	Resolution	± 0.1% (concentration: 5%)		
Temperature	Range	RT-20~ 65°C (Ambient-20)		
	Fluctuation	≤0.1°C (37°C)		
	Resolution	±0.1°C		
	Uniformity	±0.6 (37°C)		
Flask Clamp	Max. Capacity	250ml×53 or 500ml×35 or 1000ml×20 or 2000ml×11 (per unit)	250ml×32 or 500ml×20 or 1000ml×12 or 2000ml×7 (per unit)	250ml×25 or 500ml×16 or 1L×9 or 2L×5 (per unit)
	Standard Capacity	500ml×33	500ml×20	500ml×16
Sticky Mat		250ml×46 or 500ml×33 or 1000ml×18 or 2000ml×11 (per unit)	250ml×30 or 500ml×18 or 1000ml×12 or 2000ml×6 (per unit)	250ml×25 or 500ml×16 or 1L×9 or 2L×5 (per unit)
Controller		PID		
Display		7 inch touch screen		
Timer		0-999.9h		
USB		Y		
Safety Device		Self-diagnosis, temperature runaway, abnormal alarm		
Electricity	Voltage/Frequency	AC 220±10%V / 50Hz		
	Consumption	1800W	1200W	650W
N.W./G.W.		260kg/296kg	200/250kg	170/200kg
Shipping Dimension (W*D*H)		1580*990*830mm	1580*990*830mm	1580*990*830mm

Automatic Egg Incubator, EGI-Z Series

EGI-Z88 EGI-Z176 EGI-Z264 EGI-Z352 EGI-Z440
EGI-Z528 EGI-Z880 EGI-Z1056 EGI-Z1232 EGI-Z1580


EGI-Z880

Selling points

- Adopt the popular microcomputer technology
- Imported digital temperature sensor
- With small size, intelligence and high measure precision

Description

- Our microcomputer automatic incubator control system adopts the popular microcomputer technology with imported digital temperature sensor and moisture capacitance sensor, which make the instruments with small size, intelligence and high measure precision. Our incubator is reliable, laborsaving, energy saving, easy to operate, with low cost, and is the ideal middle and small size poultry incubator.

Advantages

- Color steel plate shell;
- Adopts the popular microcomputer technology with imported digital temperature sensor and moisture capacitance sensor;
- With small size, intelligence and high measure precision;
- Reliable, laborsaving, energy saving, easy to operate, low cost.










Specification

Model	EGI-Z88	EGI-Z176	EGI-Z264	EGI-Z352	EGI-Z440	EGI-Z528	EGI-Z880	EGI-Z1056	EGI-Z1232	EGI-Z1580
Capacity (L)	Chicken egg capacity: 88; Duck egg capacity 63: Goose egg capacity: 32	Chicken egg capacity: 176	Chicken egg capacity: 264	Chicken egg capacity: 352	Chicken egg capacity: 440	Chicken egg capacity: 528	Chicken egg capacity: 880	Chicken egg capacity: 1056	Chicken egg capacity: 1,232	Chicken egg capacity: 1,584
Electricity	220V/50Hz,100W	220V/50Hz,150W	220V/50Hz,150W	220V/50Hz,160W	220V/50Hz,180W	220V/50Hz,180W	220V/50Hz,260W	220V/50Hz,300W	220V/50Hz,300W	220V/50Hz,500W
Temperature control accuracy	≤±0.1℃	≤±0.1℃	≤±0.1℃	≤±0.1℃	≤±0.1℃	≤±0.1℃	≤±0.1℃	≤±0.1℃	≤±0.1℃	≤±0.1℃
Overall dimension(mm)	730×600×800	730×600×800	730×600×900	730×600×1100	730×600×1150	730×600×1250	1000×780×1300	1000×730×1450	1000×780×1500	1300×880×1600
Net weight/Gross weight	30Kg/33Kg	32Kg/35Kg	35Kg/39Kg	38Kg/42Kg	40Kg/45Kg	45Kg/50Kg	48 Kg/53Kg	50Kg/56Kg	52Kg/58Kg	90Kg/100Kg

Automatic Egg Incubator, EGI-Z Series

EGI-Z2112 EGI-Z3168 EGI-Z4200 EGI-Z5280 EGI-Z6300
EGI-Z8400 EGI-Z12600 EGI-Z16800 EGI-Z19200 EGI-Z22500

EGI-Z12600

Selling points

- Adopt the popular microcomputer technology
- Imported digital temperature sensor
- With small size, intelligence and high measure precision

Description

- Our microcomputer automatic incubator control system adopts the popular microcomputer technology with imported digital temperature sensor and moisture capacitance sensor, which make the instruments with small size, intelligence and high measure precision. Our incubator is reliable, laborsaving, energy saving, easy to operate, with low cost, and is the ideal middle and small size poultry incubator.

Advantages

- Color steel plate shell;
- Adopts the popular microcomputer technology with imported digital temperature sensor and moisture capacitance sensor;
- With small size, intelligence and high measure precision;
- Reliable, laborsaving, energy saving, easy to operate, low cost.

Specification

Model	EGI-Z2112	EGI-Z3168	EGI-Z4200	EGI-Z5280	EGI-Z6300	EGI-Z8400	EGI-Z12600	EGI-Z16800	EGI-Z19200	EGI-Z22500
Capacity (L)	Chicken egg capacity: 2122	Chicken egg capacity: 3618	Chicken egg capacity: 4200	Chicken egg capacity: 5280	Chicken egg capacity: 6336	Chicken egg capacity:8448	Chicken egg capacity: 12,672	Chicken egg capacity: 16,896	Chicken egg capacity: 19,712	22,528 pieces of chickens, black-bone chickens, pigeons, native chickens, pheasants and partridges; 16,128 turkeys, peacocks and ducks; Middle geese, geese and wild geese: 8,192; 56,576 quails and eggs of various kinds.
Electricity	220V/50Hz,500W	220V/50Hz,600W	220V/50Hz, 800W	220V/50Hz, 1000W	220V/50Hz, 1000W	220V/380V, 1500W	220V/380V, 2000W	220V/380V, 2500W	220V/380V, 3000W	220V/380V, 3200W
Temperature control accuracy	≤ 0.1℃	≤ 0.1℃	≤ 0.1℃	≤ 0.1℃	≤ 0.1℃	≤ 0.1℃	≤ 0.1℃	≤ 0.1℃	≤ 0.1℃	≤ 0.1℃
Overall dimension(mm)	1370×880×1700	1800×880×1700	1800×880×2100	2010×880×2100	2580×880×2100	2000×1800×2200	3000×1800×2100	4000×1800×2020	4000×1800×2300	4000×2020×2500
Net weight/-Gross weight	110Kg/120Kg	160Kg/170Kg	180Kg/200Kg	230Kg/255Kg	300Kg/330Kg	500Kg/530Kg	700Kg/750Kg	950Kg/1010Kg	1000Kg/1060Kg	1100Kg/1160Kg