BioLAB

PRODUCT CATALOG

COOLED INCUBATOR

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COOLED INCUBATOR BGI1S1 TO BGI1S10

COOLING INCUBATOR

• 304 stainless steel, mirror polishing processing, easy to clean and maintain.
• PID controller with over temperature alarm and timing function ensures precise and reliable control, also guarantee an excellent control by microprocessor and the limited number of setting keys ensures an extremely simple and intuitive operability.
• The inner lamp for observation of the samples is standard supplied.
• 3 fan speed meets all requirements of different experiments.
• Famous brand compressor with refrigerant R134a.
Option:
• Independent over-temperature alarm system ensures experiments running safely.
• RS 485 connector can connect computer to save the data via software.
• A side through-hole diameter of 25 mm in order to install one or more temperat

SPECIFICATIONS

Model	BGI1S1	BGI1S2	BGI1S3	BGI1S4	BGI1S5
Old Model	BICL-7901	BICL-7902	BICL-7903	BICL-7904	BICL-7905
Temperature Range	0~60℃				
Display Resolution	0.1℃				
Temperature Stability	High Temperature ±0.5℃Low Temperature ±1.0℃				
Temperature Uniformity	±1.5℃ (@25℃)				
Electrical Requirement	220V 50Hz				
Ambient Temperature	+5℃ ~30℃				
Power Consumption	450W		500W		600W
Chamber Volume	70L		150L		248L
Interior Dimension (WxDxH)mm	400x350x500		503x370x808		540x460x1000
External Dimension (WxDxH)mm	530x560x1080		600x630x1360		637x662x1590
Shelves	2(pcs)		3(pcs)		
Timing Range	0~5999min				
Remark		LCD display		LCD display	
Alt Name	Cooling Incubator				

Model	BGI1S6	BGI1S7	BGI1S8	BGI1S9	BGI1S10
Old Model	BICL-7906	BICL-7907	BICL-7908	BICL-7909	BICL-7910
Temperature Range	0~60℃				
Display Resolution	0.1℃				
Temperature Stability	High Temperature ±0.5℃	Low Temperature ±1.0℃			
Temperature Uniformity	±1.5℃ (@25℃)	±2.5℃ (@25℃)			
Electrical Requirement	220V 50Hz				
Ambient Temperature	+5℃ ~30℃				
Power Consumption	600W	2100W	2050W	2150W	2900W
Chamber Volume	248L	492L	778L	1000L	1500L
Interior Dimension (WxDxH)mm	540x460x1000	670x720x1020	800x590x1650	1050x590x1650	1550x590x1650
External Dimension (WxDxH)mm	637x662x1590	850x1100x1930	1475x890x1780	1665x890x2005	2110x890x2050

Shelves	3(pcs)	
Timing Range	0~5999min	
Remark	LCD display	standard with two doors
Alt Name	Cooling Incubator	

BGI1S1 BGI1S2 BGI1S3 BGI1S4 BGI1S5 BGI1S6

BGI1S7 BGI1S8 BGI1S9 BGI1S10

FEATURES

• 304 stainless steel, mirror polishing processing, easy to clean and maintain.
• PID controller with over temperature alarm and timing function ensures precise and reliable control, also guarantee an excellent control by microprocessor and the limited number of setting keys ensures an extremely simple and intuitive operability.
• The inner lamp for observation of the samples is standard supplied.
• 3 fan speed meets all requirements of different experiments.
• Famous brand compressor with refrigerant R134a.
Option:
• Independent over-temperature alarm system ensures experiments running safely.
• RS 485 connector can connect computer to save the data via software.
• A side through-hole diameter of 25 mm in order to install one or more temperature sensors inside the chamber.

APPLICATIONS

LED/LCD Microprocessor Controller (with timing function)
The cooling incubator is ideal for every application in microbiological field.
The range of temperature allows the growth of microorganisms in every environmental situation

COOLED INCUBATOR BER1CZ1 BER1CZ2 BER1CZ3

COMPRESSOR-COOLED INCUBATORS

1. Unique internal wind circulation structure design, fan breeze circulation, so that the temperature distribution in the working room is uniform.
2. Double-layer door structure, the inner door adopts high-quality tempered glass to facilitate the observation of samples, the outer door adopts magnetic rubber strip, easy to open and close, good sealing.
3. Large-size LCD touch screen, 30-segment program, each period of time setting range: 0 ~ 9999 hours/minute, with scheduled start and stop function, standard electronic independent temperature limiter. Double protection experiment safety.
4. The use of frequency conversion refrigeration system temperature control stability, to ensure long-term frost-free operation, more energy saving advantages.
5. Standard LED lighting, UV germicidal lamp, with sterilization timing function, standard built-in universal socket, convenient internal equipment power supply

SPECIFICATIONS

Model	BER1CZ1	BER1CZ2	BER1CZ3
Pattern	Forced Convection		
Function			
--Temp Range	0~65℃		
--Temp Resolution Ratio	0.1℃		
--Temp Fluctuation	±0.5℃		
--Temp Uniformity	±1℃		
Construction			
--Inner Chamber	Mirror stainless steel plate		
--Outer Shell	Cold-rolled steel plate, surface electrostatic spraying		
--Insulation Layer	Polyurethane		
--Heater	Stainless steel electric tube		
--Power Rating	0.8kW	1.0kW	1.2kW
--Compressor	Variable frequency air-cooled hermetic compressor		
--Cryogen	R134a		
--Defrost structure	Smart defrost		
--Test Hole	Inner diameter 43mm		
--Controlled External Power Supply	One external universal socket and one built-in waterproof socket		
Controller			
--Temp Control Mode	Intelligent fuzzy PID		
--Temp Setting Mode	Touch Type Key Setting		
--Temp Display Mode	The LCD screen displays the parameters		
--Timer	The period ranges from 0 to 99, and a maximum of 30 programs can be set. The setting range for each period of time is 0 to 9999 hours/minute		
--Operation Function	Single segment run, program run		
--Sensor	Pt100		
--Additional Function	LED lighting, deviation correction, menu key lock, power failure parameter memory		
Safety Device	Over temperature alarm, electronic temperature limiter, loop self-diagnosis		
Specification			
--Inner chamber Size(W*L*H mm)	420*350*500	500*500*600	500*600*840
--Exterior Size(W*L*H mm)	580*610*1190	660*760*1290	760*760*1530
--Packing Size(W*L*H mm)	698*706*1358	778*765*1548	878*865*1698
--Volume	70L	150L	250L
--Load Per Rack	15kg		
--Shelf Number	9		12
--Shelf Space	35mm		
--Supply (50/60Hz) Current Rating	AC220V/2.3A	AC220V/3.6A	AC220V/5.5A
--NW/GW (kg)	69/92	96/114	100/139
Accessory			
--Shelf	4		
--Shelf Frame	2		
Optional Accessories	Separator, RS485 interface, printer, WIFI module can realize remote mobile APP control		
Alt Name	Compressor-Cooled Incubators (Inverter Compressor)		

FEATURES

1. Unique internal wind circulation structure design, fan breeze circulation, so that the temperature distribution in the working room is uniform.
2. Double-layer door structure, the inner door adopts high-quality tempered glass to facilitate the observation of samples, the outer door adopts magnetic rubber strip, easy to open and close, good sealing.
3. Large-size LCD touch screen, 30-segment program, each period of time setting range: 0 ~ 9999 hours/minute, with scheduled start and stop function, standard electronic independent temperature limiter. Double protection experiment safety.
4. The use of frequency conversion refrigeration system temperature control stability, to ensure long-term frost-free operation, more energy saving advantages.
5. Standard LED lighting, UV germicidal lamp, with sterilization timing function, standard built-in universal socket, convenient internal equipment power supply.

APPLICATIONS

A variety of constant temperature experiments and environmental tests, water analysis, BOD/ bacteria and mold microbial culture, plant breeding and cultivation, sample preservation.

COOLED INCUBATOR BGI1U1 TO BGI1U15

COOLING INCUBATOR

Microprocessor control
• Polished stainless-steel chamber, semicircular arcs at corners for easy cleaning, and the space between the shelves in the chamber is adjustable.
• Latest PID controller
• R134a refrigerant, imported compressor
• Independent temperature-limiting alarm system ensures experiments run safely.(Option)
• Printer connector and RS485 connector are options which can connect printer and computer
to record the parameters and the variations of temperature.(Option)
• There is a 25mm instruction connection hole on the left side of the chamber for easy testing operation and temperature measurement.

SPECIFICATIONS

Model	BGI1U1	BGI1U2	BGI1U3	BGI1U4	BGI1U5
Old Model	BICL-8101	BICL-8102	BICL-8103	BICL-8104	BICL-8105
Temperature Range	-10°C~65°C				
Display Resolution	0.1°C				
Temperature Stability	High Temp ±0.5°C / Low Temp ±1.0°C				
Electrical Requirement	220V 50Hz				
Ambient Temperature	+5°C~35°C				
Power Consumption	1100W		1300W	1500W	2250W
Interior Dimension (WxDxH)mm	400x300x420	500x400x600	550x405x670	600x500x830	670x720x1020
Exterior Dimension (WxDxH)mm	660x720x930	650x770x1320	690x880x1410	740x900x1580	850x1100x1930
Shelves	2(pcs)		3(pcs)		
Timing Range	0~9999min				
Alt Name	Cooling Incubator				

Model	BGI1U6	BGI1U7	BGI1U8	BGI1U9	BGI1U10
Old Model		BICL-301	BICL-302	BICL-303	BICL-304
Temperature Range	20°C~65°C				
Display Resolution	0.1°C				
Temperature Stability	High Temp ±0.5°C / Low Temp ±1.0°C				
Electrical Requirement	-10°C~65°C	220V 50Hz			
Ambient Temperature	+5°C~35°C				
Power Consumption	1100W	1200W	1300W	1600W	2550W
Interior Dimension (WxDxH)mm	400x330x450	500x400x600	550x405x670	600x500x830	670x720x1020
Exterior Dimension (WxDxH)mm	660x720x930	650x770x1320	690x880x1410	740x900x1580	850x1100x1930
Shelves	2(pcs)		3(pcs)		
Timing Range	0~9999min				
Alt Name	Cooling Incubator				

Model	BGI1U11	BGI1U12	BGI1U13	BGI1U14	BGI1U15
Old Model		BICL-401	BICL-402	BICL-403	BICL-404
Temperature Range	-40°C~65°C				
Display Resolution	0.1°C				
Temperature Stability	High Temp ±0.5°C / Low Temp ±1.0°C				
Electrical Requirement	380V 50Hz				
Ambient Temperature	+5°C~35°C				
Power Consumption	2800W	4100W	5100W	6100W	7100W
Interior Dimension (WxDxH)mm	400x380x450	500x400x600	550x405x670	600x500x830	670x720x1020
Exterior Dimension (WxDxH)mm	605x1040x1650	700x1040x1750	750x1040x1810	800x1160x1850	1000x1210x1980
Shelves	2(pcs)		3(pcs)		
Timing Range	0~9999min				
Alt Name	Cooling Incubator				

FEATURES

Microprocessor control
• Polished stainless-steel chamber, semicircular arcs at corners for easy cleaning, and the space between the shelves in the chamber is adjustable.
• Latest PID controller
• R134a refrigerant, imported compressor
• Independent temperature-limiting alarm system ensures experiments run safely.(Option)
• Printer connector and RS485 connector are options which can connect printer and computer to record the parameters and the variations of temperature.(Option)
• There is a 25mm instruction connection hole on the left side of the chamber for easy testing operation and temperature measurement.
Option:
• Printer
• Independent temperature-limiting Alarm system
• RS485 connector

APPLICATIONS

Serve for preserve culture medium, serum, medicine as well as microorganism training and environmental testing etc.

COOLED INCUBATOR BGI1T1 TO BGI1T4

COOLING INCUBATOR

LCD Programmable controller (with timing function)
• Polished stainless-steel chamber, semicircular arcs at corners for easy cleaning, and the space
between the shelves in the chamber is adjustable.
• Latest PID LCD Programmable controller: 7 periods 63 steps, 0 to 5999mins for each periods, fan
speed 0 to 100% adjustable.
• Independent temperature-limiting alarm system ensures experiments run safely.
• There is a 25mm instruction connection hole on the left side of the chamber for easy testing
operation and temperature measurement.
• Using environmentally friendly R134a refrigerant,fast cooling speed,saving ene

SPECIFICATIONS

Model	BGI1T1	BGI1T2	BGI1T3	BGI1T4
Old Model	BICL-8001	BICL-8002	BICL-8003	BICL-8004
Controller	LCD Programmable controller			
Temperature Range	-5~70°C			
Display Resolution	0.1°C			
Temperature Stability	High Temperature ±0.3°C			Low Temperature ±0.5°C
Temperature Uniformity	±1.5°C (at 25°C)			
Electrical Requirement	220V 50Hz			
Ambient Temperature	+5~35°C			
Power Consumption	650W	850W	1300W	2250W
Chamber Volume	70L	150L	250L	495L
Interior Dimension (WxDxH)mm	400x440x500	500x460x800	520x550x1050	670x725x1020
Shelves	2(pcs)	3(pcs)		
Timing Range	0~5999min			
Alt Name	Cooling Incubator			

ACCESSORIES FOR PURCHASE

No	Name
1	• Printer • USB data collect
2	• BOD socket • UV Sterilizer
3	• RS485 connector

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FEATURES

LCD Programmable controller (with timing function)
• Polished stainless-steel chamber, semicircular arcs at corners for easy cleaning, and the space between the shelves in the chamber is adjustable.
• Latest PID LCD Programmable controller: 7 periods 63 steps, 0 to 5999mins for each periods, fan speed 0 to 100% adjustable.
• Independent temperature-limiting alarm system ensures experiments run safely.
• There is a 25mm instruction connection hole on the left side of the chamber for easy testing operation and temperature measurement.
• Using environmentally friendly R134a refrigerant,fast cooling speed,saving energy and protecting environment.Auto-controller of fan speed to prevent damage to the samples.
• Shaker can be put inside BEING incubator to function as shaking incubator.
• Printer connector and RS485 connector are options which can connect printer and computer to record the parameters and the variations of temperature.(Option)

COOLED INCUBATOR BGI1V1 TO BGI1V4

TWO & FOUR CHAMBERS COOLING INCUBATOR

Multi-chamber Biochemical Incubator and Mildew Incubator is an upgrade of the traditional single chamber equipment, which can be combined with two or four chambers, which can enhance the efficiency of space utilization and save the valuable space in the laboratory. Multi-chamber biochemical incubator and mildew incubator adopts well-known brand compressor and circulating fan with high efficiency and low energy consumption, which not only promotes energy saving, but also has a long service life and reduces the noise to a lower limit.

• With two-box or four-box biochemical incubator or mildew incubator options, effectively saving laboratory space;
• Each biochemical incubator or mildew incubator cabinet is independently controlled without mutual interference, and the temperature control is precise and stable;
• Adopt mirror stainless steel inner liner, half-rounded arc design at the corners, easy to clean, adjustable spacing of shelves in the box.
• Famous brand compressor with environmentally friendly refrigerant, high efficiency, low energy consumption, promoting energy saving.
• Microcomputer PID temperature controller, precise and reliable temperature control, less fluctuation, with timing function.
• Adopting LCD controller, the operation is more convenient and convenient;

SPECIFICATIONS

Model	BGI1V1	BGI1V2	BGI1V3	BGI1V4
Temperature control range	0~60℃			
Temperature resolution	0.1℃			
Temperature fluctuation	High temp ±0.5℃ / Low temp ±0.5℃			
Temperature uniformity	±1℃ (25℃ at test point)			
UV Sterilization System	optional		standard equipment	
Supply Voltage	AC220V 50HZ			
Operating Temperature	+5~30℃			
Input power	2200W	4400W	2200W	4400W
Chamber Volume	150Lx2	100Lx4	150Lx2	100Lx4
Inner size (mm) WxDxH	660x520x450 / Chamber	500x450x450 / Chamber	660x520x450 / Chamber	500x450x450 / Chamber
Overall Size (mm) WxDxH	845x745x1975	1300x805x1885	845x745x1975	1300x805x1885

Shelf (standard)	3PCS / Chamber	2PCS / Chamber	3PCS / Chamber	2PCS / Chamber
Timing range	0~5999min			
Alt Name	Multi-chamber Biochemical Incubator		Multi-chamber Mildew Incubator	

BGI1V1 BGI1V3

BGI1V2 BGI1V4

FEATURES

• With two-box or four-box biochemical incubator or mildew incubator options, effectively saving laboratory space;
• Each biochemical incubator or mildew incubator cabinet is independently controlled without mutual interference, and the temperature control is precise and stable;
• Adopt mirror stainless steel inner liner, half-rounded arc design at the corners, easy to clean, adjustable spacing of shelves in the box.
• Famous brand compressor with environmentally friendly refrigerant, high efficiency, low energy consumption, promoting energy saving.
• Microcomputer PID temperature controller, precise and reliable temperature control, less fluctuation, with timing function.
• Adopting LCD controller, the operation is more convenient and convenient;
• The circulating fan speed is controlled by three-speed regulation, which avoids the volatilization of samples due to excessive airflow during the test.
• Equipped with an independent temperature-limiting alarm system, which is automatically interrupted when the temperature exceeds the limiting temperature to ensure the safe operation of the experiment without accidents. (Optional)
•With a printer or RS485 interface, can be connected to a printer and computer, can record the temperature parameters of the changing conditions. (Optional)
• LCD screen display, menu-based operation.

Options: (7 days delivery for additional options)
• Embedded printer
• Paperless recorder
• U disk data storage
• Independent temperature limit controller
• Left/Right side diameter 25/50mm test hole
• Left/right side diameter 100mm test hole
• BOD Socket
• RS485/232 interface and communication software

Note: One of three options: USB flash drive, RS485/232, and printer.
Delivery time for multi chamber equipment is 15 days

Performance parameters tested under no-load conditions are: Ambient Temperature 20°C , Ambient Humidity 50%RH

APPLICATIONS

• It is suitable for scientific research, colleges and universities and production departments such as environmental protection, health epidemic prevention, drug testing, agriculture and livestock, aquaculture and so on. It is a special constant temperature equipment for water analysis and BOD determination, culture and preservation of bacteria, mold and microorganisms, plant cultivation and breeding test.

COOLED INCUBATOR BEV1N1 TO BEV1N4

SHAKING INCUBATOR

From the high-end , featuring an ergonomic exterior design, an intelligent PID microcomputer control system, and a precise temperature control solution. Rooted in European and American manufacturing techniques, the use of first-class imported components ensures the recreation of a perfectly constant temperature environment, making your experiments effortless and efficient.

The shaking incubator is a versatile instrument designed for use in universities, petrochemical industries, public health and epidemic prevention, medical fields, environmental monitoring, and other research departments. It is suitable for shaking and incubating various liquid and solid compounds, including plants, microorganisms, biochemistry, cell cultures, genetics, viruses, environmental studies, and medical research. This biochemical device combines a temperature-controlled incubator and a shaker.
Equipped with a programmable intelligent PID LCD touchscreen controller, it offers high-precision temperature control, timing functions, over-temperature alarms, motor overheating protection, and automatic vibration stop when the door is opened. An RS485 interface enables computer connection for network control. Features a servo motor design that is maintenance-free and noise-free. It outper

SPECIFICATIONS

Model	BEV1N1	BEV1N2	BEV1N3	BEV1N4
Old Model	BSFLS-101	BSFLS-102	BSCO-202	BSCO-204
Internal Dimensions (mm) (H*W*D)	640x600x460	640x810x560	640x600x460	640x810x560
External Dimensions (mm) (H*W*D)	1390x730x635	1390x950x735	1390x730x635	1390x950x735
Nominal Power (KW)	0.8	0.9		1.2
Power Supply Voltage	Single-phase AC 220V/50Hz			
Temperature Range (°C)	Room temperature +5°C to 65°C (without cooling)		4°C to 65°C (with cooling and heating)	
Shaking Method	Rotary (Cyclical)			
Amplitude and Shaking Speed	Ø26mm, 20-300 r/min			
Accuracy (°C)	±0.1			
Temperature Fluctuation (°C)	±0.5%			
Number of Layers (Shelves)	2			
Rack Dimensions (mm) (H*W*D)	340x500x350	340x730x455		
Standard Bottle Holder	Upper layer with 18 bottle clips (250), lower layer with adhesive board or universal spring.	Upper layer with 32 bottle clips (250), lower layer with adhesive board or universal spring.		
Bottle clip options (maximum quantity)			50ML(56 units),100ML(56units),250ML(36units),500ML(24units)	50ML(104units)100ML(104units)250ML(64units)500ML(56units)1000ML(30units)
Alt Name	Shaking Incubator			

ACCESSORIES FOR PURCHASE

No	Name
1	Portable integrated data printer
2	Data recording storage device with USB interface
3	Built-in universal power socket interface
4	Gas interface
5	printer storage
6	US304 stainless steel perforated shelf
7	Test hole
8	programmable software
9	Door-opening power-off function
10	Top lighting panel or lighting shelf


1

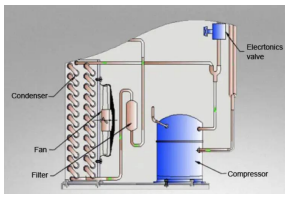

2


7


10

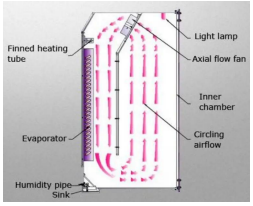
FEATURES

The shaking incubator is a versatile instrument designed for use in universities, petrochemical industries, public health and epidemic prevention, medical fields, environmental monitoring, and other research departments. It is suitable for shaking and incubating various liquid and solid compounds, including plants, microorganisms, biochemistry, cell cultures, genetics, viruses, environmental studies, and medical research. This biochemical device combines a temperature-controlled incubator and a shaker.
Equipped with a programmable intelligent PID LCD touchscreen controller, it offers high-precision temperature control, timing functions, over-temperature alarms, motor overheating protection, and automatic vibration stop when the door is opened. An RS485 interface enables computer connection for network control.
Features a servo motor design that is maintenance-free and noise-free. It outperforms conventional brushless DC motors at low speeds, offering smoother torque and more uniform speed.
The chamber is made of SUS304 stainless steel, offering excellent corrosion resistance and durability. A side oxygenation port ensures adequate oxygen supply during constant temperature operation, and the forced convection fan guarantees uniform temperature distribution and consistent thermal conditions.
The door is made of hollow tempered glass, and the interior is equipped with a lighting system for easy observation of samples. A UV sterilization lamp prevents cross-contamination of experimental samples. A universal spring flask holder (optional adhesive plate) is particularly suitable for cultivating a wide range of biological samples for comparative experiments.
IQ, OQ, and PQ validation documents are available in both Chinese and English, along with third-party calibration and testing services.
This product has passed EU CE safety certification and comes with a 3-year quality warranty.

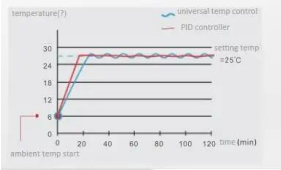


Refrigeration Technology :
The internationally popular ALLCOLD balanced dual-mode control system integrates heating and cooling, effectively reducing temperature fluctuations. It features automatic defrosting, multi-layer safety protection, and meets the requirements for long-term operation. Equipped with internationally renowned brand compressors, it promotes environmental protection, high efficiency, and energy saving.
Automatic defrost function: The balanced refrigeration system is based on innovative rapid heat pump defrost technology, allowing continuous, uninterrupted operation. This effectively resolves frosting issues caused by prolonged evaporator operation.
Eco-friendly refrigerants: Ensuring a cleaner world while providing an excellent user experience. This technology also reduces energy

consumption and operating costs.



Airflow Circulation System:
The forced convection airflow circulation system ensures that a larger number of samples can be stored in the chamber without compromising temperature uniformity. It enables rapid temperature recovery after the door is opened. Paired with a maintenance-free, branded axial fan, it enhances operational convenience.
The system guarantees continuous temperature stability within the working chamber. Combined with the airflow channel design, it provides an optimal environment for sample cultivation once the desired temperature is reached.



Microcomputer PID Control Technology:
Equipped with a programmable segmented control LCD touchscreen, all parameters are clearly displayed at a glance. It provides comprehensive status information required by users, including measured temperature, set temperature, alarms, cooling (if equipped), heating, lighting, and timer operation.
Features adaptive PID program control, ensuring precise temperature regulation, preventing temperature overshoot, and maintaining uniform and consistent chamber temperature.
Built-in multifunctional memory menu, with a standard RS485 interface for computer connection, enabling real-time monitoring.
Meets diverse user needs with a wide time setting range: 0-999 hours, 0-9999 minutes.

Programmable Segmented Touchscreen

PT100 Temperature sensor
Temperature Sensing Components:
PT100 Temperature Sensor:
Ensures fast response to step changes in temperature with minimal self-heating effects, delivering accurate and reliable temperature readings.

Efficient Insulation Design:
Double-layer insulated thermal design:
Fully supports eco-friendly concepts by conserving energy.
Internal isolation door:
Allows users to observe chamber samples while maintaining consistent internal temperature, ensuring reliable experimental conditions.

Ergonomic Design:
Modern lab aesthetics:
Incorporates internationally popular arc-shaped designs and color schemes, enhancing operational comfort.
Integrated handle and LCD display:
Designed for ease of use, offering a comfortable viewing angle and seamless operation for door opening and interface adjustments.
Adjustable mesh shelves:
Shelves can be repositioned at various intervals to accommodate diverse cultivation needs.

Advanced Manufacturing Technology:
High-precision construction:
All sheet metal components are processed using laser cutting and CNC bending. Cold-rolled steel undergoes a three-step acid treatment for rust prevention, and a surface electrostatic spray coating enhances durability and aesthetics.

Ease of Cleaning:
The clean and easy-to-maintain chamber design minimizes seams, simplifying cleaning and upkeep.
Removable, multi-layer shelves allow for easy adjustment and reduce metal components inside the chamber, making cleaning more straightforward.
A water collection tray is integrated into the bottom of the chamber, with a drain valve that can be periodically opened to remove accumulated water, preventing bacterial growth.
Convenient Maintenance
The LCD microcomputer controller features diagnostic functions, displaying various operating states, including historical operation records and temperature data for each segment.
Electrical control components are separated from the chamber workspace, with the refrigeration unit and electrical output control parts installed at the bottom of the cabinet, ensuring easy access for maintenance and servicing.

Safe and Efficient Protection Concept:
Multiple over-temperature protection functions: Includes audible and visual alarms to promptly alert users.
Certified electrical components: Key electrical components comply with UL certification standards.
Temperature protection design: Adheres to German DIN 12880 Class 3.1 standards, while electrical safety conforms to international IEC 61010-1, UL 61010-1 (USA), and EN 61010-1 (EU) standards.

COOLED INCUBATOR BGI2B1 TO BGI2B20

COOLING INCUBATOR

The cooling incubator has both cooling and heating functions, the lowest temperature can reach -10°C, the temperature stabilization time is short, and the temperature control precision is high. For the storage of culture media, serum, medicines, microbial culture, environmental testing, etc., it is environmental protection, sanitation and epidemic prevention, drug testing, farm animals, water Ideal thermostatic equipment for research institutes.

Intelligent:
It provides two options: colorful touch screen controller and LCD controller. It is easy to operate. (Professional type LCD controller)
With preset power on, standby and shutdown functions.
Parameters such as multi-stage temperature, circulating wind speed, time and heating rate can be set and programmed at the same time, simplifying the complicated test process and realizing automatic control and operation.
Specialization:
Tested and manufactured using the international DIN-12880-2007 standard.
Provide professional temperature control, high temperature control accuracy and small temperature uniformity error.
The sample can be viewed through the internal glass door without affecting the t

SPECIFICATIONS

Model	BGI2B1	BGI2B2	BGI2B3	BGI2B4	BGI2B5
Old Model	BICL-6001	BICL-6002	BICL-6003	BICL-6004	BICL-6005
Type	Touch screen				
Capacity (L)	68L		120L		252L
Temp Range	-10 - 80°C				
Display Resolution	0.1°C				
Uniformity	±1.0°C				
Timing Range	1 - 5999mins				
Max number of shelves	2(10)		3(14)		3(16)
Max load per shelf	20Kg				
NW	85Kg		100Kg		120Kg
Interior Dimension WxDxH (mm)	400x380x450		500x400x600		550x600x750
Exterior Dimension WxDxH (mm)	545x670x1000		645x690x1150		695x890x1300
Electrical Requirement	AC220V/50Hz				
Power Consumption	1300W		1500W		1700W
UV lamp	option	standard	option	standard	option
Alt Name	Cooling Incubator				

Model	BGI2B6	BGI2B7	BGI2B8	BGI2B9	BGI2B10
Old Model	BICL-6006	BICL-6007	BICL-6008	BICL-6009	BICL-6010
Type	Touch screen				
Capacity (L)	252L	495L		752L	
Temp Range	-10 - 80°C				
Display Resolution	0.1°C				
Uniformity	±1.0°C				
Timing Range	1 - 5999mins				
Max number of shelves	3(16)	4(16)		4(20)	
Max load per shelf	20Kg				
NW	120Kg	220Kg		250Kg	

Interior Dimension WxDxH (mm)	550x600x750		670x725x1020		700x860x1250
Exterior Dimension WxDxH (mm)	695x890x1300		850x1095x1935		950x1225x2000
Electrical Requirement	AC220V/50Hz				
Power Consumption	1700W		2250W		2800W
UV lamp	standard	option	standard	option	standard
Alt Name	Cooling Incubator				

Model	BGI2B11	BGI2B12	BGI2B13	BGI2B14	BGI2B15
Old Model	BICL-6101	BICL-6102	BICL-6103	BICL-6104	BICL-6105
Type	LCD Controller				
Capacity (L)	68L		120L		252L
Temp Range	-10 - 80°C				
Display Resolution	0.1°C				
Uniformity	±1.0°C				
Timing Range	1 - 5999mins				
Max number of shelves	2(10)		3(14)		3(16)
Max load per shelf	20Kg				
NW	85Kg		100Kg		120Kg
Interior Dimension WxDxH (mm)	400x380x450		500x400x600		550x600x750
Exterior Dimension WxDxH (mm)	545x670x1000		645x690x1150		695x890x1300
Electrical Requirement	AC220V/50Hz				
Power Consumption	1300W		1500W		1700W
UV lamp	option	standard	option	standard	option
Alt Name	Cooling Incubator				

Model	BGI2B16	BGI2B17	BGI2B18	BGI2B19	BGI2B20
Old Model	BICL-6106	BICL-6107	BICL-6108	BICL-6109	BICL-6110
Type	LCD Controller				
Capacity (L)	252L	495L		752L	
Temp Range	-10 - 80°C				
Display Resolution	0.1°C				
Uniformity	±1.0°C				
Timing Range	1 - 5999mins				
Max number of shelves	3(16)	4(16)		4(20)	
Max load per shelf	20Kg				
NW	120Kg	220Kg		250Kg	
Interior Dimension WxDxH (mm)	550x600x750	670x725x1020		700x860x1250	
Exterior Dimension WxDxH (mm)	695x890x1300	850x1095x1935		950x1225x2000	
Electrical Requirement	AC220V/50Hz				
Power Consumption	1700W	2250W		2800W	
UV lamp	standard	option	standard	option	standard
Alt Name	Cooling Incubator				

FEATURES

Intelligent:
It provides two options: colorful touch screen controller and LCD controller. It is easy to operate. (Professional type LCD controller)
With preset power on, standby and shutdown functions.
Parameters such as multi-stage temperature, circulating wind speed, time and heating rate can be set and programmed at the same time, simplifying the complicated test process and realizing automatic control and operation.

Specialization:
Tested and manufactured using the international DIN-12880-2007 standard.
Provide professional temperature control, high temperature control accuracy and small temperature uniformity error.
The sample can be viewed through the internal glass door without affecting the temperature inside the box (option)
Stackable to save lab space.
Flexible shelf design for efficient use of interior space.

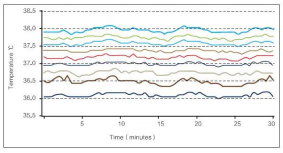
Safety:
Protection of equipment: The second set of temperature limit alarm system conforms to international standards. When the heating is out of control or exceeds the maximum limit temperature, the heating is automatically cut off, and the sound and light alarm reminds the operator. Ensure that the equipment operates safely without accidents.
Protection of key components: The key electrical components are equipped with over-current, over-temperature, overload and other safety protection to prevent accidental equipment.
Protection of the sample: When the temperature inside the box is higher or lower than the set temperature, the alarm will start to cut off the heater, and the sound and light will remind the operator to protect the sample from normal test without accident.
Protection for users: The cabinet and door are specially insulated to make the surface temperature of the cabinet low, ensuring the operator's safety and no accidents.
Provide fault information: When the device fails, the display will display fault information to ensure that the fault information is clear at a glance.

Humanized design:
With casters, flexible and convenient to move.
With reservation and timing functions, there is no need to wait, which effectively improves the efficiency of the experiment.
Available in Chinese and English menus to meet different language needs, with °C / °F conversion.

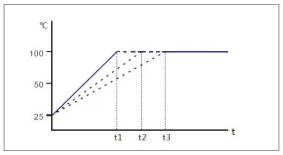
Safety:
Protection on instruments: Comply international standard secondary temp limiting alarm system. When the heating is out of control or exceeds the maximum limit temperature, the heating is automatically cut off with sound and light alarm, ensure operating is safe without any accident.
Protection on key components: Key components are equipped with over-current, over-temperature, overload and other safety protection to prevent accident.
Protection on samples: When the temperature inside the box is higher or lower than the set temperature, the alarm will start to cut off the heater, with sound and light alarm to remind the operator to protect the sample from normal test without accident.
Protection on operator: The cabinet and door are specially insulated to make the surface temperature of the cabinet low, ensuring the operator's safety and no accidents.
Breakdown message provided: When the instrument breakdown, the message will shown on the screen to help operator clearly check.

Convenient data processing:
The touch screen type standard with a USB interface, which can record the change status of the temperature parameters. The LCD screen is option for USB interface.
It can be equipped with RS232 data interface, which can realize remote control of the machine through software (option).
RS-232 and USB can be selected as one of them.

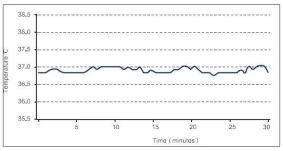
Precise temperature control:



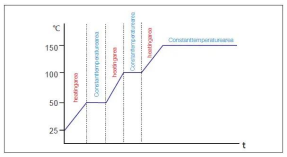
The uniformity of the temperature inside the incubator chamber is ≤±10 degree , so that all samples are heated evenly.
Note: The stability and uniformity are the result under steady state.



Program control mode, linear temperature rise control.



Temperature fluctuation inside the incubator chamber is ±0.2 degree, which ensures the stability of the experiment.



Program control mode, Step heating control.

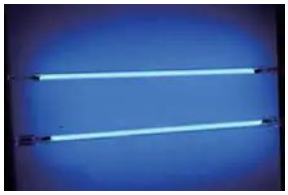
Professional LCD Controller
Intelligent program control with high brightness LCD screen, button operation and real-time display of parameters.
Quick setting of temperature, time and other parameters can be carried out.
It has the function of program setting. It can be programmed in 7segments, 63 steps, 9 steps and 1-99 hours and 59 minutes per segment.

Advanced Color Intelligent Touch Screen Control
5.0 inch touch screen, intelligent touch control, real-time display of parameters, simple and convenient operation.
Quick setting of temperature, time and other parameters can be carried out. It has the function of program setting.
It can be programmed in 7 segments, 63 steps, 9 steps and 1-99 hours and 59 minutes per segment.
With touch screen automatic locking function to prevent non-related personnel from disoperation.

Professional duct design:
With a unique duct design, the use of large impeller fans, fast temperature rise and fall, stable temperature control, good temperature uniformity.
The circulating fan has adjustable speed, middle and low grades, so as to avoid the volatilization of samples due to excessive air flow during the test.
Famous brand fan, high efficiency, low noise, energy saving and environmental protection.

Stainless steel inner liner:
304 stainless steel, mirror polishing, strong anti-corruption ability.
Large arc angle design, no dead angle, easy cleaning and maintenance.

Refrigeration system:
International brand compressors, with high refrigeration efficiency and low noise, shorten cooling time by 40% compared with traditional cryogenic equipment, save energy and protect environment.
Minimum temperature up to - 10 , with refrigeration and heating functions.
Automatic switching of refrigeration and heating, high control accuracy and fast temperature stability.



Ultraviolet sterilization system (option)
Ultraviolet lamp is located on the upper wall of the box body. It can disinfect the box body regularly and kill the plankton bacteria in the circulating air of the box body effectively so as to prevent the pollution during cell culture.

No overturning system:
Wire shelves with no overturning system to always operate safely.

Reserved test hole:
External detection sensor can real-time detect the temperature inside the box through the test hole to ensure that the temperature inside the box is accurate and reliable.

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