Cooled Incubator IC-2100



Iris IC-2000 Series Cooled Incubator is recognised as an exceptional unit suitable for a wide range of applications requiring a 0ºC to +65ºC. Iris cooling incubators are gentle on samples and provide high-quality performance for safe, reproducible incubation possible, even at high ambient temperatures. It combines exceptional performance with low energy consumption.

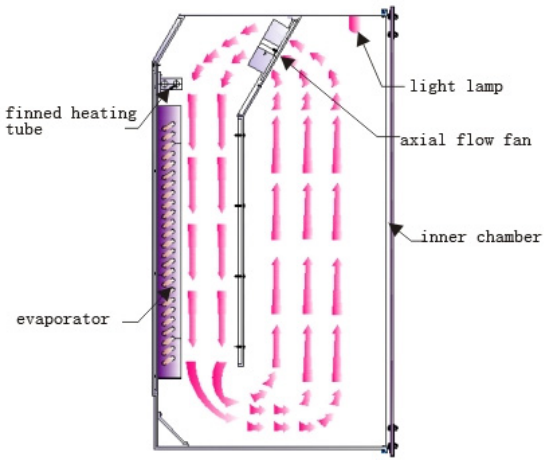
The IC-2100 Touch Screen Cooled Incubator is especially designed to conduct shelf life studies, life cycle testing and bacterial incubation in biological, agricultural and scientific research laboratories. Highly accurate and sensitive touch screen PID controller offers peace of mind for safe operation with the option of programmable periods of operation and temperature change.
The IC-2100 Cooled Incubator ensures the viability of your research by providing long-term accurate temperature control over an extended temperature range of life cycle analysis, shelf life test and biological cultivation with optimum performance and improved temperature uniformity and stability.

- Applicable to the analysis and BOD determination of water, is a dedicated research department of environmental protection, health and epidemic prevention, drug testing, livestock, aquatic thermostatic device.
- Provide a stable temperature environment, simulate various climatic conditions, especially used in samples tests□shelf life tests□long-term experiments and cultivation of plants□seeds and microorganisms.
- According to AS3100 of Australia, FDA of the United States, EN, ICH and other related standards. For long-term acceleration experiments and forced degradation experiments.
- IQ, OQ, PQ and other related certification services.
- CE certification.
- Two-year warranty.

Advanced Perfect Air Current Cycling

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

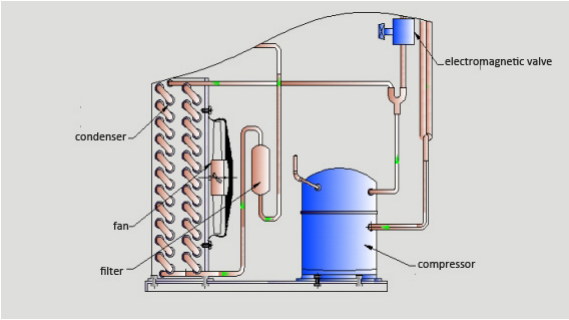
- Perfect forced convection, maximum samples number of working room, minimum temperature recovery time after the opening, world famous axial fan, perfect air current design, ensure an ideal result of samples culture.
- Keep temperature continuous and stable, keep humidity continuous and stable, ensure perfect sample culture environment.



Advanced Refrigeration technology

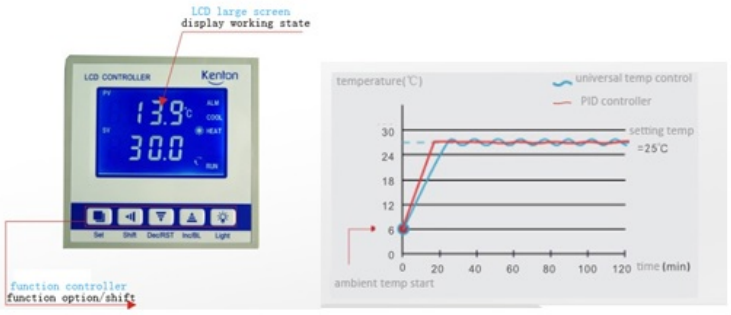
- Balanced refrigeration technology, auto defrost, multiple security system, long time running, environmental protection, high efficiency and energy saving.
- Auto-defrost function: original rapid heat pump defrost technology, for continuous operation, effectively prevent frost because of continuous operation of evaporator.

- Refrigeration effect manual control system: meet customer’s terrible work environment.
- Imported DuPont SUVA R134 a environmental refrigerant. For cleaner world, for better work condition.
- To save energy, to reduce the cost.



Programmable PID control

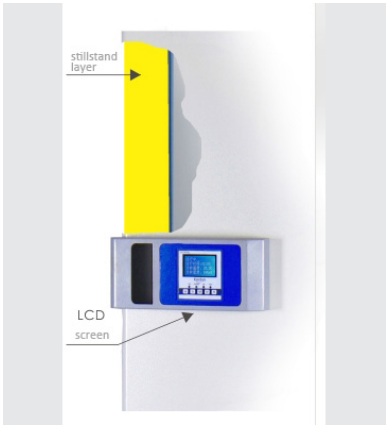
- Designed for the highest operational comfort.
- Integrated with dot-matrix LCD display parameters for temperature, humidity, and cycle, run time, run/stop.
- Adaptive PID controller precisely controls the temperature and humidity; prevent temperature soaring, keep working room temperature stable and uniformity.
- User password protection, built-in multifunctional memory menu, connects to multiple devices (up to 16 units) for real-time monitoring.
- Time setting:0-99h, 0-9999min
- RS-485 interface
- Easy to operate. All set operations are recognised by voice prompts.
- Optional remote control of programmable software.
- Programmable multi-sections control, to meet customer needs, temperature and humidity control up to 30 sets. Time setting:0-99h, 0-9999m, programs can be executed automatically cycles.
- Set operations with beep tips
- Bacteria-free culture with UV disinfection (Optional)





Efficient Isolation Design

- Design of double-layer isolation, reduce power consumption, environmental protection concept, energy conservation.
- Internal isolated door design, easy observation of working room samples, keep temperature stability of working room.



Technical Specification:

Model	IC-2100
Control System	Touch Screen Microprocessor PID Controller
Temperature Range (℃)	0 ~ 65℃
Interior Volume (L)	100
Interior Volume (Cubic feet)	3.5
Temperature Accuracy （℃）	±0.1℃
Temperature Stability (℃)	±0.5 ℃
Temperature Uniformity (℃)	1%
Temperature Fluctuation （℃）	±0.5 ℃
Convection Mode	Forced Convection
Internal Dimension (HxWxD) cm	610 × 490 × 390 mm
Timer Range	0－9999min
Number of Standard Shelf	3
Working Environment	Ambient temperature 10~30℃; Humidity less than 70%
Insulation Materials	High quality environmental protection type material
External Dimensions (H×W×D) cm	1250 × 630 × 680mm
Interior Steel Materials	SUS304 stainless steel inner
Net Weight (kg)	95
Shipping Weight (kg)	120
Packing Size (H×W×D) cm	1450 × 730 × 830 mm
Power （W）	850
Electrical Requirements	220V/50Hz
Catalogue No.	3601505-2

Technical Data:

Model	IC-2100		IC-2150		IC-2250		IC-2400	
Interior Volume (L)	100		150		250		400	
Interior Volume (Cubic feet)	3.5		5.3		8.8		14.1	
Convection Mode	Forced Convection							
Control System	Microprocessor PID							
Temp. Range ???	0~65?							
Temp. Accuracy???	0.1?							
Temp. Fluctuation ???	±0.5?							
Temp. Uniformity	±1							
Internal Dimensions (H×W×D) mm	610×490×390		760×510×390		1100×510×450		1050×600×640	
External Dimensions (H×W×D) mm	1250×630×680		1410×650×680		1730×650×740		1700×745×930	
Timer Range	0?9999min							
Working environment	Ambient temperature?10~30?, Humidity<70%							
Insulation materials	High Quality environmental protection type material							
Interior steel materials	SUS304 stainless steel inner							
The number of standard tray	3		3		4		4	
Power?W?	850		1000		1100		1100	
Net weight (KG)	95		107		135		158	
Shipping weight(KG)	120		133		162.5		188	
Packing size?mm? ?H×W×D?	1450×730×830		1605×760×830		1935×760×890		1907×815×1090	
Electrical Requirements	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue Number	3601505-1	3601505-2	3601510-1	3601510-2	3601515-1	3601515-2	3601520-1	3601520-2



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