## Heating Incubator







### External Structure




#### Professional LCD Controller (L Series)

• 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 Contro

• 4.3 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



#### No Overturning System

• Wire shelves with no overturning system to always operate safely



#### 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



#### 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



#### Stainless Steel Inner Liner

• 304 stainless steel, mirror polishing, strong anti-corruption ability
• Large arc angle design, no dead angle, easy cleaning and maintenance

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### Sample Temperature Sensor (Optional)

• Optional sample temperature sensor, real-time detection of sample temperature, so that the temperature is more real and reliable

### Double Convection Model

• Fan power can be adjusted from 0% (equivalent to natural convection) - 100% four gears, which can meet the training requirements of different airflow



### Temperature 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



### Temperature Limit Alarm System

• When the temperature control system is out of control and the temperature exceeds the limit temperature, the heating is automatically interrupted to ensure the safety of testing

## Humanized Design

- Adopting direct heating system, the heating speed is fast and the control precision is high
- PID control technology, high control precision and small temperature fluctuation
- Available in Chinese and English menus to meet different language needs, with °C / °F conversion
- The height of the shelf is adjustable to meet different cultivation needs
- Professional stacking foot design, the machine can be stacked, saving lab space and improving the use efficiency (same specification)

## 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 one of them

## Safty

- **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

## Technical Parameters (Natural Convection)

| Model | BI-35TL | BI-55TL |
|---|---|---|
| LCD controller | Yes | Yes |
| Capacity (L) | 34 | 54 |
| Temp Range (°C) | RT+5 - 80 | |
| Stability (°C) | ±0.2 | |
| Uniformity (at 37°C) | ±0.8 (@37 ) | |
| Display Resolution (°C) | 0.1 | |
| Max Number of Shelves | 2 (5) | 2 (6) |
| Max Load Per Shelf (kg) | 20 | |
| NW (kg) | 44 | 53 |
| Timing Range | 1-5999mins | |
| Interior Dimension (W*D*H)(mm) | 320*340*320 | 400*360*415 |
| Exterior Dimension (W*D*H)(mm) | 610*520*580 | 690*468*640 |
| Electrical Requirement (V/Hz) | 220/50 | |
| Power Consumption (W) | 250 | 300 |

## Technical Parameters (Air Forced)

| Model | BI-35TL | BI-55TL |
|---|---|---|
| LCD controller | Yes | Yes |
| Capacity (L) | 35 | 67 |
| Temp Range (°C) | RT+5 - 80 | |
| Stability (°C) | ±0.2 | |
| Uniformity (at 37°C) | ±0.8 (@37 ) | |
| Display Resolution (°C) | 0.1 | |
| Max Number of Shelves | 2 (5) | 2 (9) |
| Max Load Per Shelf (kg) | 20 | |
| NW (kg) | 48 | 56 |
| Timing Range | 1-5999mins | |
| Interior Dimension (W*D*H)(mm) | 320*390*320 | 400*395*415 |
| Exterior Dimension (W*D*H)(mm) | 610*550*545 | 810*560*640 |
| Electrical Requirement (V/Hz) | 220/50 | |
| Power Consumption (W) | 300 | 350 |

*The outer dimensions do not include hinges, handles, gauges, wires, etc., and the internal dimensions do not include the duct section.
*All test data are tested in a 25°C environment.