



Shaker Incubator

LB-39BSI

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1. Safety Measures

- The product must be reliably grounded before use.
- Please confirm that the local power supply voltage meets the requirements before use.
- The instrument shall use an independent power socket.
- Insert the plug.
- Do not plug and unplug the power cord with wet hands.
- Don't pull out the plug by pulling the power supply cord.
- Do not damage the power cord or use an unspecified power cord.
- Do not connect the power cord and use the extension cord in the middle section.
- Do not insert fingers, rods, or other objects into the air outlet or air inlet.
- If there is an abnormal state (burning smell, etc.), immediately pull out the power plug.
- Do not repair without permission. Improper repair may cause fire or electric shock.

1.1 In such circumstances, one must unplug the power plug

- Open the power supply door
- Replace the fuse
- Instrument malfunction can't normal used normally.
- The instrument has been out of use for a long time, and the power plug is full of dust.
- Move the instrument

1.2 Important Information

- The instrument should be placed on a hard and firm surface and ensure its level.
- The distance between the instrument and the wall must be more than 10 cm.
- Do not put the instrument at the edge of the stove or in direct sunlight.
- Do not open or close the instrument door by gravity.
- Make sure the tray is in a stationary state before opening the instrument door.
- Regularly check the flask clamp screw.
- The instrument door should not be opened frequently during its operation.
- The surface of the instrument should not be in contact with volatile chemicals such as gasoline and banana water.
- Do not put inflammable, explosive or toxic substances in the instrument operation room.
- Keep the inside and outside clean and regularly clean up.

2. Introduction

Shaker Incubator LB-39BSI operates within a temperature range of 5°C to 60°C and offers shaking speeds ranging from 30 to 600 rpm. It is equipped with a PID microprocessor controller for precise temperature and shaking speed control. Our incubator supports various flask sizes, offering flexibility for different sample volumes. It features a sealed, user-friendly control panel with an LCD for clear visualization of parameters.

3. Features

- Precise temperature adjustment
- Retainable memory
- Over-temperature protection
- Accommodates various flask sizes
- Durable construction

4. Specifications

Model No	LB-39BSI
Temperature Range	5 °C to 60 °C
Shaking Speed Range	30 rpm to 400 rpm
Temperature Accuracy	± 0.1 °C
Temperature Uniformity	± 1 °C
Standard Flask Capacity	50 ml × 4 100 ml × 4 250 ml × 3 500 ml × 3 1000 ml × 5
Orbit Diameter Control	0 to 50 mm
Platform Size	400 × 370 mm
Timer Range	1 minute to 500 hours
Power Consumption	540 W
Power Supply	220-230 V, 50 Hz /60 Hz
Internal dimension	410 × 442 × 296 mm
External dimension	600 × 580 × 518 mm
Weight	94 kgs

5. Applications

Shaker Incubator LB-39BSI is used for precise temperature and shaking control in areas such as microbiology, cell culture, enzyme reactions, and fermentation.

6. Operations

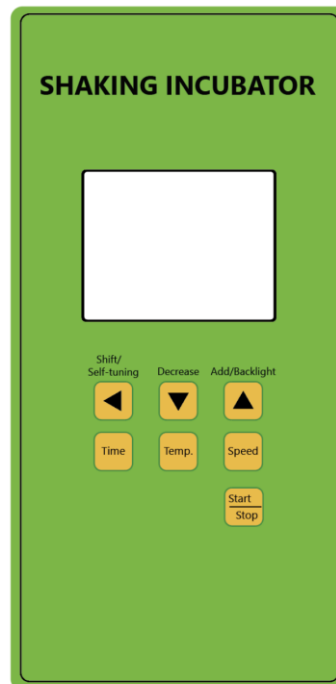


Figure-1

Temperature, speed, and time setting.

- 1) Long-press **Start/Stop** key for 3 seconds, and the screen will run to start. Long-press the **Start/Stop** key for 3 seconds, and the stop will display to stop the operation.
- 2) Press **Temp.** key to enter the temperature setting, the temperature display flashes, modify to the required setting value by “◀”, “▼” and “▲” buttons; then press the **Temp.** button again to exit the temperature setting; the set value is automatically saved.
- 3) Press **Speed.** key to enter the speed setting, the speed display flashes, modify to the required setting value by “◀”, “▼” and “▲” buttons; then press the **Speed.** button again to exit the speed setting, and the set value is automatically saved.
- 4) Press the **Time** key to enter the timing setting, the time display flashes, can press “◀”, “▼”, and “▲” to revise the values. Press the “**Time**” button again to quit setting status, and the revised value will be automatically saved.

7. Troubleshooting

Phenomenon	Reasons	Solution
The instrument doesn't operate, the panel has no display	No power outlet	Check that the plug has been wired up properly. If there is an electric power outlet, make sure the power switch has been opened.
	The fuse burned	Changing the fuse to the same rating.
Large temperature fluctuations	The refrigerating system setting is not correct	Reset according to the instruction manual.
The measured temperature is too high and often enters the over-temperature alarm state	The control temperature is too high	Open the back vent.
Too much noise	Instruments are placed unevenly.	Adjust the left foot behind the instrument and make the instrument land smoothly.
	porous tray loose	Tighten the nuts at the four corners of the tray.
	Clamp flask loose	Take out the tray, fastening clamp flask nuts with the tool.



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