

Horizontal Gel Electrophoresis Unit with Power Supply

Cat. No. BT109

INTRODUCTION

Thanks for choosing BT Lab Systems' Horizontal Electrophoresis Unit with Power Supply. This instrument is a one-body electrophoresis unit, which has compact design, stable performance, easy operation and good reproducibility and cost performance. The unit has three different gel sizes and 4 comb sizes for greater versatility.

KEY FEATURES

- Gel box and power supply in one unit
- 3 gel sizes (6x6, 12x6 and 12x12cm) & various combs
- Gel box internal dimensions: 15 x 15 x 4.7cm
- 7 Preset Voltages to Choose from
- Timer feature
- Safety feature: No power when lid removed
- 100-240V Input
- 26 x 17 x 6.8cm
- 0.78kg weight

OPERATION

Connecting to mains power

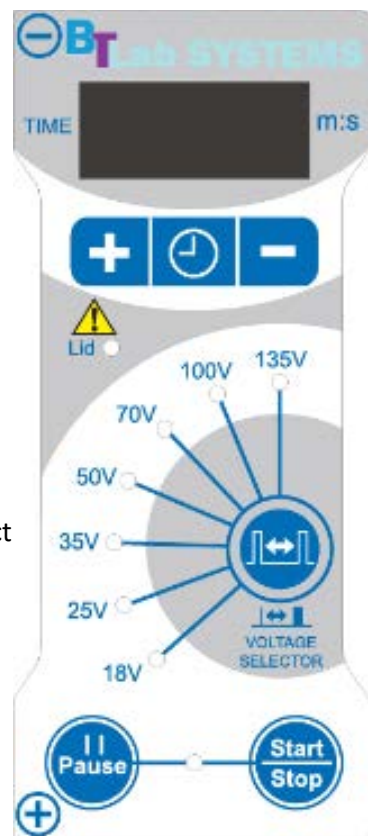
1. When input voltage is AC 220V, use the supplied transformer. Connect the transformer to the mains power and the transformer to the unit.
Do not use unit on 220V without transformer.
2. Only connect the unit to 110V mains power.

Operation Panel

- The plus and minus keys increase and decrease the time settings. Continuously pressing the buttons will speed up the changes. Maximum setting is 99 minutes and 59 seconds.
- Start/Stop button to start and stop power supply.
- Pause button pauses the power supply to the gel and the timer. Restart by repressing.
- Voltage Selector button changes the preset voltages. Press to select desired voltage.

Operation Guide

1. Turn on the unit and the display shows the value used in the last run.
2. Use the plus and minus keys to change the time. When screen shows OFF, the unit will run continuously without a timer feature.
3. Use the Voltage Selector button to select the correct voltage. The LED will move to the indicated voltage. 8, 25, 35, 50, 70, 100 and 135 volts are available.
4. The Lid LED will illuminate when the lid is correctly aligned, and the gel box is securely closed.
5. Press start to begin electrophoresis.



MAINTENANCE

Clean the unit with a soft cloth and non-corrosive cleaner. Do not submerge the unit in liquid and ensure all terminals are completely dry before using.

SPECIFICATIONS

Size (mm)	261 x 170 x 70
Input Power	AC110V or AC 240V with transformer
Output Voltage	18-135V
Fuse	1.0A
Timer Range	1sec to 99min 59sec

ACCESSORIES SUPPLIED

Cat. #	Description
BT109-A	Small Gel Tray (2) (60 x 60mm)
BT109-B	Medium Gel Tray (1) (120 x 60mm)
BT109-C	Large Gel Tray (1) (120 x 120mm)
BT109-D	Gel Comb (4) (1mm thick with 25/11 teeth)
BT109-E	Gel Comb (1) (1.5mm thick with 8/18 teeth)
BT109-F	Gel Comb (1) (1.5mm thick with 13/6 teeth)
BT109-G	Gel Comb (1) (2mm thick with 3/2 teeth)
BT109-H	Gel Casting Base (138x138x36mm)

TROUBLESHOOTING

Issue	Possible Causes	Resolution
No voltage output after pressing the START Key	1. The lid is not correctly fitted on the unit.	Cover the lid correctly.
	2. No Power	Contact the seller.
No Display	1. Power line is not connected well.	Plug the power line.
	2. Power strip has no power.	Make sure power strip is working.
	3. Power switch is off.	Open the power switch.
	4. Fuse is broken.	Replace a new one or Contact the seller.

TECHNICAL SUPPORT

BT Lab Systems offers technical support for all of its products. If you have any questions about the product's use or, operation, please contact BT Lab Systems at the following:

E-Mail: info@BTLabSystems.com