

Axygen® Power Supply for PS250HA and PS300GP Models



Quick Start Guide

For the complete Axygen PS250HA and PS300GP Power Supply Instruction Manual, visit www.corning.com/lifesciences.

Installing the Axygen Power Supply

1. Check the label located near the AC inlet to ensure the unit is compatible with locally provided voltage.
2. Place the Axygen Power Supply on a level laboratory bench. Keep the area around the power supply clear to ensure proper ventilation of the unit.
3. For your safety: Position the unit properly such that the power switch, and the AC inlet located on the rear of the unit are easily accessible.
4. Ensure the AC power switch is in the Off position.
5. Attach the power cord to the AC inlet. Use only properly grounded AC outlets and power cords.
6. Connect the leads from the electrophoresis unit; insert the red lead (+) into the red output jack, and the black lead (-) into the black output jack.

Programming



- ▶ **Up Arrow** – Increases value of settings that are flashing
- ▶ **Down Arrow** – Decreases value of settings that are flashing
- ▶ **Mode** – Cycle between voltage, current, time settings (all models), and power (model PS250HA only)
- ▶ **Constant** – Toggles between Constant Voltage, Constant Current (all models), or Constant Power (model PS250HA only)
- ▶ **Start/Pause** – Start, pause, and resume operation without resetting the timer
- ▶ **Stop** – Stop operation and resets timer

Constant Mode Operation

Constant Voltage is recommended for 1 to 2 protein gels or blots.

1. Use the power switch on the back of the Axygen Power Supply. The **Display Screen** will have V displayed in bold on the left side and TIME and AMP in small font on the right side. The PS250HA model will have Constant and Program mode displayed. Select Constant and proceed to Step 2. For more information on the Constant mode consult the Instructions Manual.



Example: Display Screen of the PS300GP model.

2. Press the **Constant** button to select either **Constant Voltage** or **Constant Current** from the Display Screen. **NOTE:** Constant power is an additional option on the PS250HA model.
3. Press the **Mode** button to choose Volts, Hours, Minutes, and Amps. **NOTE:** Watts are an additional option on the PS250HA model.
4. While the value is flashing, use the directional arrows to change the values. If you set the time to 00:00, the power supply will run in continuous mode.
5. Press the **Start/Pause** button to start electrophoresis. The red “Run” LED will illuminate to indicate the electrophoresis run has started.
6. When the run is completed the power supply will beep, and the screen displays TIME UP.
7. Press the **Stop** button to silence the beeper. The timer will reset.

Federal Communications Commission Advisory

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their expense. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Safety Information

Avoiding Electrical Shock

Please refer to the instruction manual of the Axygen® Power Supplies (CLS-AN-596DOC), available on www.corning.com/lifesciences, to review all of the safety information prior to using the Axygen Power Supplies.

The Axygen Power Supplies have been designed for use with electrophoresis gel box systems with shielded banana plugs thus minimizing any potential shock hazard to the user. Always use gel box systems that are compatible with the Power Supply, have been designed for your specific applications, and are suitable for the voltage, current, and power range. To prevent accidental electric shocks to the user, always use gel box systems that have safety lids. Corning recommends against the use of gel box systems and/or power leads that have unshielded banana plugs, thus minimizing any potential shock hazard to the user.



To avoid electrical shock:

- ▶ NEVER connect or disconnect wire leads from the power jacks when the Start/Stop red indicator light is on or when "RUNNING" is displayed on the screen.
- ▶ WAIT at least 5 seconds after stopping a run before handling output leads or connected apparatus.
- ▶ ALWAYS make sure that hands, work area, and instruments are clean and dry before making any connections or operating the power supply.
- ▶ ONLY connect the power supply to a properly grounded AC outlet.



Avoiding damage to the instrument:

- ▶ For proper ventilation, leave at least 10 cm of space behind the instrument, and at least 5 cm of space on each side.
- ▶ Do not operate the power supply in high humidity environments (>95%), or where condensation may occur.
- ▶ To avoid condensation after operating the power supply in a cold room, seal the unit in a plastic bag, and allow at least 2 hours for the unit to equilibrate to room temperature before removing the bag and operating the unit.



NOTE: If the unit is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.



This symbol is used on the Axygen Power Supply to indicate an area where a potential shock hazard may exist.

For more specific information on claims, visit the Certificates page at www.corning.com/lifesciences.

Warranty/Disclaimer: Unless otherwise specified, all products are for research use only. Not intended for use in diagnostic or therapeutic procedures. Corning Life Sciences makes no claims regarding the performance of these products for clinical or diagnostic applications.

For additional product or technical information, visit www.corning.com/lifesciences or call 800.492.1110. Outside the United States, call +1.978.442.2200 or contact your local Corning sales office.

CORNING

Corning Incorporated
Life Sciences

836 North St.
Building 300, Suite 3401
Tewksbury, MA 01876
t 800.492.1110
t 978.442.2200
f 978.442.2476

www.corning.com/lifesciences

ASIA/PACIFIC
Australia/New Zealand
t 61 427286832

Chinese Mainland
t 86 21 3338 4338
f 86 21 3338 4300

India
t 91 124 4604000
f 91 124 4604099

Japan
t 81 3-3586 1996
f 81 3-3586 1291

Korea
t 82 2-796-9500
f 82 2-796-9300

Singapore
t 65 6572-9740
f 65 6735-2913

Taiwan
t 886 2-2716-0338
f 886 2-2516-7500

EUROPE
CSEurope@corning.com

France
t 0800 916 882
f 0800 918 636

Germany
t 0800 101 1153
f 0800 101 2427

The Netherlands
t 020 655 79 28
f 020 659 76 73

United Kingdom
t 0800 376 8660
f 0800 279 1117

All Other European Countries
t +31 (0) 206 59 60 51
f +31 (0) 206 59 76 73

LATIN AMERICA
grupoLA@corning.com

Brazil
t 55 (11) 3089-7400

Mexico
t (52-81) 8158-8400