# PowerEase® 90W Power Supply

**Catalog Numbers** PS0090, PS0091, PS0092
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Use the following instructions to install and operate the PowerEase® 90W Power Supply. For more information and detailed instructions, refer to the *PowerEase® 90W Power Supply User Guide*, available at **www.lifetechnologies.com/manuals**.

**Note:** For safety guidelines, refer to the "Safety" appendix in the *PowerEase® 90W Power Supply User Guide*.

## Install the PowerEase® 90W Power Supply

1.  Check the label located near the AC inlet to help ensure that the unit is compatible with locally provided voltage.
2.  Place the PowerEase® 90W Power Supply on a level laboratory bench, in an area with proper ventilation.
3.  *For your safety:* Position the unit properly such that the **On/Off** 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 and attach the power cord to the AC inlet of the power supply.

    **Note:** Use only properly grounded AC outlets and power cords.
5.  Plug the power supply into the appropriate electrical outlet.
6.  Connect the leads from an electrophoresis unit to the power supply by inserting the positive lead (+) into the positive (red) output jack, and the negative lead (–) into the negative (black) output jack.

## PowerEase® 90W Power Supply key pad

Front view of the PowerEase® 90W Power Supply.



| Press... | To... |
| --- | --- |
| ∧ (Up Arrow) | Move the cursor up and increase values when settings are flashing. |
| ∨ (Down Arrow) | Move the cursor down and decrease values when settings are flashing. |
| Mode | Cycle between voltage, current, and time settings, allowing values to be changed. |
| Constant | Toggle between constant voltage or current operation. |
| Start/Pause | Start, pause, and resume power supply operation without resetting the timer. |
| Stop | Stop power supply operation *and* reset the timer. |

## Quick operation instructions

Use the following instructions to operate the PowerEase® 90W Power Supply.

1.  Turn the AC power switch at the back of the power supply to the **On** position.
    *   The screen displays the last set **V** (voltage) in large bold type on the left side of the display and **TIME** and **AMPs** in small type on the right side of the display.
2.  Press **Constant** to toggle between Constant Voltage Mode and Constant Current Mode.
    *   The screen displays the selected operating mode in large bold type on the left of the display.
3.  Press **Mode** to edit the parameters of the operating mode: Volts, Hours, Minutes, and Amps.
4.  While a value is flashing, you may use the directional arrow buttons (∨∧) to change the values.
    *   The values stop flashing and the instrument exits editing mode 5 seconds after the last key has been pressed.
    *   If you set **Time** to **00:00**, the power supply will run continuously.
5.  Press **Start/Pause** to start electrophoresis.
    *   The red light on the display will illuminate while power is applied to the load.
    *   Electrophoresis stops when the timer reaches **00:00** if a time has been set.
    *   When electrophoresis stops, the power supply *beeps* and the screen flashes **TIME UP.**
6.  Press **Stop** to silence the *beep*.

**For Research Use Only. Not for use in diagnostic procedures.**

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