

Hot Plate Station

Maximum Temperature = 200°C

Revised 7/25/06

The Hot Plate Station is composed of 4 hot plates, each of which is controlled through the PC with PID controllers. Each controller has 4 recipes, with 16 segments available for programming each recipe. There is no cooling associated with these hot plates.

Warning! **Hot plate surfaces may be hot – even if red light is not on!**
Programming through PC is required–do not touch controller face.
Shields are required between wafers and hot plate surface.
If your job runs overnight, be sure to take it off before 9am next day.

Power Up

1. Log In to Hot Plate
2. Power on controller switch located on lower chassis
 - o Make sure the controller is the same as the logged-in controller
 - o Red Light in front of hot plate turns on with controller
3. Cover Hot Plate with foil or use large silicon wafers if it is larger than wafer to protect surface.

Operation

1. Open iTools™ software.
2. Close any Parameter List and Programmer window which may be open.
3. Select from top menu: Device → Enable background scan
 - a. After a few seconds, the controller name should appear in upper left window and a graphic of the controller face should appear on bottom of screen.
 - b. Identify the name of your controller. The following controller names correspond to the specified hot plates:

Hot Plate	Controller name
A	Com 3...
B	Com 4...
C	Com 5...
D	Com 6...

4. Select from top menu: Device → Disable background scan
5. Left-double-click your controller name to activate your hot plate – the Parameter List window for your controller appears. This ensures you modify and run your hotplate.
*****Make sure only your controller is activated*****
6. Select from top menu: View → Programmer
 - a. Now the Parameter List and Programmer windows for your controller are available for use.
7. Programmer window
 - a. Select program number (1-4)
 - b. Program the segments
8. Parameter List window
 - a. Select Operator folder, then double-click the Run folder
 - b. Change 'Program Number' to your previously selected value
 - c. To run program, change 'Program Status' to 'Run(2)

Power Down

1. Right-click on your controller name and select 'Remove'
2. Power off controller switch on lower chassis.
3. Log out

Reminders

- The program characteristics in the Parameter List window will not continuously update if windows from other controllers are open.
- Only one recipe can be run for each controller – remember, each controller runs a single hot plate.
- The Log In system controls power to controller.