

Hot Plate SOP

Hot Plate Standard Operation Procedure

Revision: 1.0 — Last Updated: Nov.27/2012, Revised by Grace Li

Overview

This document will provide a detailed operation procedure of the Torrey Pines Hot Plate Model HS30. Formal Training is required for all users prior to using the system.

Revision History

#	Revised by:	Date	Modification
1	Grace Li	Nov.27, 2012	Initial Release
2			
3			
4			
5			

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General Information

The Torrey Pines Scientific HS30 Series Hot Plate is a general purpose digital hot plate with an aluminum top. The top surface is 8" x 8" in size. All functions are settable from the digital front panel and display. The display shows the temperature in °C.

HS30 Hot Plate is capable of temperatures in excess of 450C at the plate surface. Touching the heated surface will cause severe burns. Use **Extreme Caution at All Times**.




Operation Procedure


Normally, the hot plates are dedicated to different processes (shown in Table below), and the temperatures are pre-set as follows:

Hot Plate No	Pre-set Temperature (°C)	For Spin Coater
# 1A	90	CEE-1
#1B	110	CEE-1
# 2A	180	CEE-2


Setting Plate Temperature

- If you need to set the plate temperature, press the plate temperature button 
- Set a desired temperature value for the hot plate using the up and down arrow buttons
- Then press the temperature button

Setting Ramp

- To set a ramp value, press the ramp button 
- Select a desired ramp rate using the up and down arrows and press the ramp button

Setting Timer

- Press the timer button 
- Use the up and down arrows to set each timer value and press the timer button to move to the next units (seconds, minutes, hours)
- After entering the hours, press the timer button to begin the count-down

Setting Heat-Off

- To turn off the heater, press the HEAT-OFF button



NOTE: ALL USERS MUST PRESS THE HEAT-OFF AFTER COMPLETING THEIR WORK

Reference and Files

Operation Manual

Contact

Questions or comments in regard to this document should be directed towards Grace Li (li@4dlabs.ca) in 4D LABS at Simon Fraser University, Burnaby, BC, Canada.