

## Environmental Shaker Incubators

### INNOVA 4330 (NSC 460)

**Every time you use an Incubator Shaker, you MUST sign the logbook.**

**Use only short screws.**

**Secure all tubes and flasks – they shouldn't move when shaking.**

**If you set the temperature for anything besides 37°C, please leave a note and change it back when you are done.**

**If you hear any kind of grinding sound, STOP.**

Contact: Sonja Young (404) 413-5363; [sstovall@gsu.edu](mailto:sstovall@gsu.edu)

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1. Open and close the lid using the foot pedal near the floor on the left. Failure to use the foot pedal will cause the control panel to break. Directions for the Innova 4330 are almost the same as the above C25 except for the foot pedal.
2. Turn the Shaker on using the ON/OFF switch located on the right hand side of the shaker (below the keypad). Stopping or starting the shaker is controlled by the START/STOP key.
3. Continuous Run/Set Speed. Press SELECT until the RPM indicator is illuminated. If the display says OFF, press the START/STOP key. Press either UP or DOWN arrow keys to enter SET mode (the SET indicator will illuminate). Set the speed by using the UP or DOWN keys until the desired setpoint is displayed. Holding the UP or DOWN keys will cause the setting to change more rapidly.
4. Checking any Setpoint. Press SELECT until the desired indicator is illuminated. Press either UP or DOWN keys to enter the SET mode and display the current setpoint.
5. Timed Functions. Press the SELECT key until the HRS indicator is illuminated. Press either the UP or DOWN keys to enter the SET mode and set between 0.1 – 99.9 hrs. While the SET indicator is illuminated, press the START/STOP key to program the time (and start the run). The TIME indicator will light and remain on for the duration of the run. At the end of the timed run the display will read OFF, the TIME indicator will flash and the audible alarm will “beep”.
6. Temperature Setpoint. Press the SELECT key until the function °C indicator illuminates. Use the UP and DOWN keys to increase or decrease the temperature. If the temperature is more than 1 °C higher or lower than the set temperature, an alarm is triggered. The alarm will stop once the correct temperature is reached.
7. Total Running Time. The total running time since the ON button was selected. Press SELECT until the HRS indicator is illuminated. Simultaneously press the UP and DOWN keys. The SET and MAINT indicators will flash and the accumulated running time will be displayed in hundreds of hours (ex. 02 equals 200 hours).
8. If you need to deactivate an alarm, the temperature control system or the MAINT indicator lights up, call Debby.