


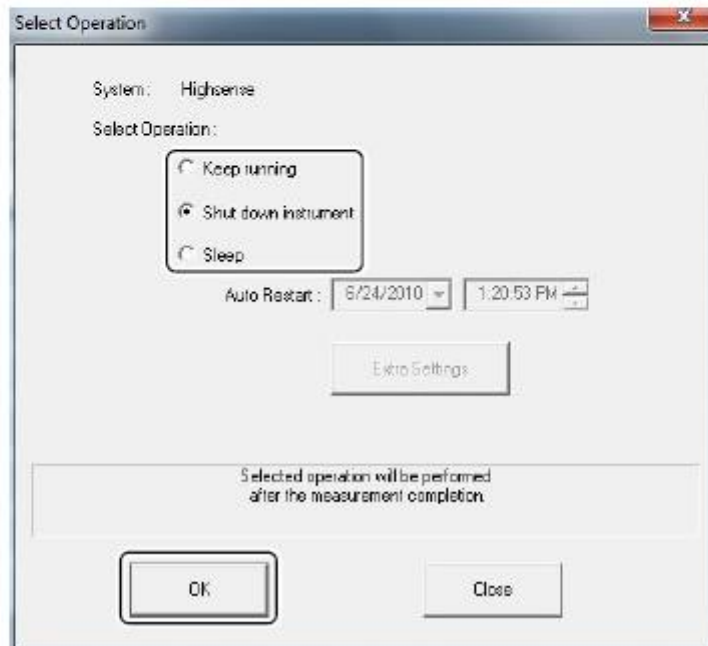
## TOC – Preparing your instrument for shutdown

1. Run a series of 3 DI water blanks through the instrument to flush it out.
2. Shutdown instrument through the software.
  - PC Controlled instruments:

Click  Shutdown



The Shutdown dialog box is displayed.



Push 'OK'. The instrument will start the shutdown procedure and after 30 minutes will completely shut itself off.

Use the main power button on the right hand side of the instrument to turn off power to the instrument.

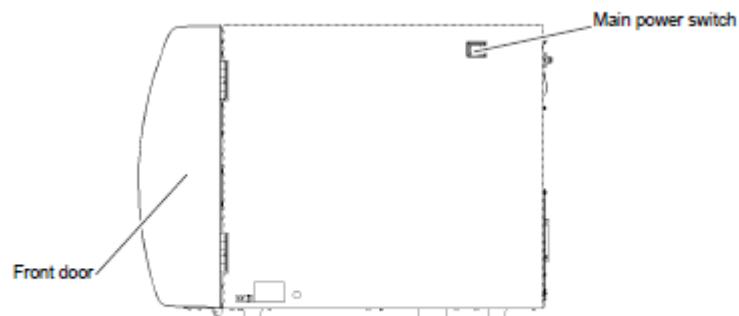
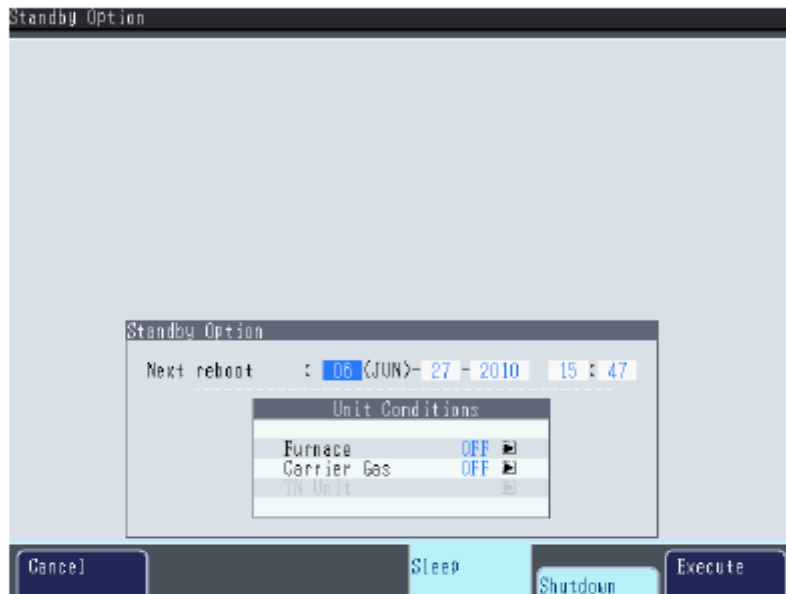


Figure 2.2 Right Side View

- Standalone Instruments:

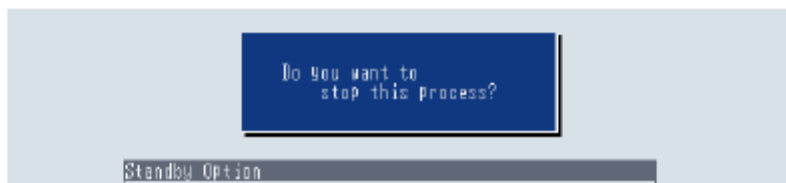
Press the F1 [Standby Option] key in the "Initial Display".  
The "Standby Option - Sleep" screen is displayed.



Press the F5 [Power OFF] key.  
The message "Automatic Shutdown" is displayed.



Press the F6 [Execute] key.  
"Do you want to stop this process?" is displayed.



Press the F6 (Yes) key to confirm the shutdown. After 30 minutes the

instrument will completely shut itself off. Use the main power button on the right hand side of the instrument to turn off power to the instrument.

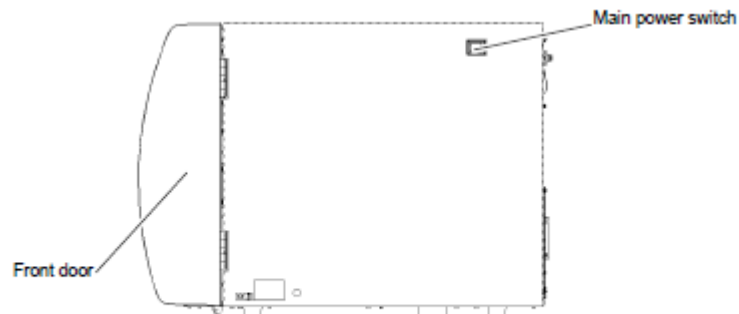


Figure 2.2 Right Side View

3. Close the Main carrier gas valve at the source.
4. Refer to the user manual for additional details.

## TOC – Preparing your instrument for start-up

1. Open valve for carrier gas
2. Make sure that the drain pot is full and there is enough acid in the acid bottles for analysis. Fill the dilution water bottle with fresh DI.

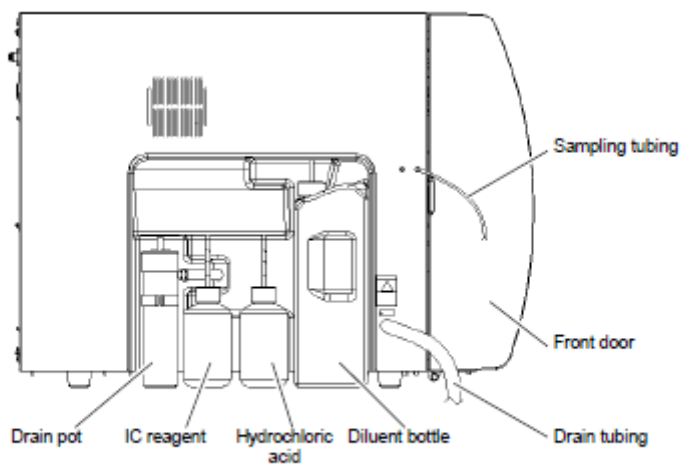


Figure 2.3 Left Side View

3. Make sure the humidifier is filled with water.

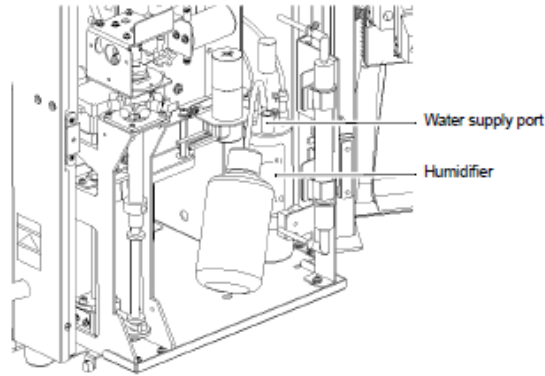


Figure 7.2 Humidifier Water Level

Verify that the water level in the humidifier is above the "Lo" mark. If the level is below the "Lo" mark, replenish by adding purified water through the water supply port on top of the vessel. Add water until the level reaches the "Hi" mark.

4. If using an ASI-L fill the ASI rinse bottle with fresh DI water.
5. Turn on main power switch on the right-hand side of the instrument. You will hear the instrument power on briefly than shut off.
6. Push the power button on the front of the instrument

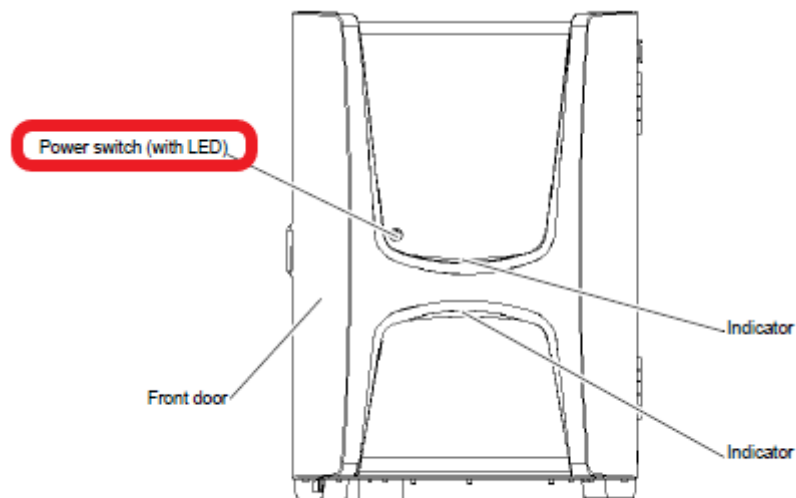


Figure 2.1 Front View

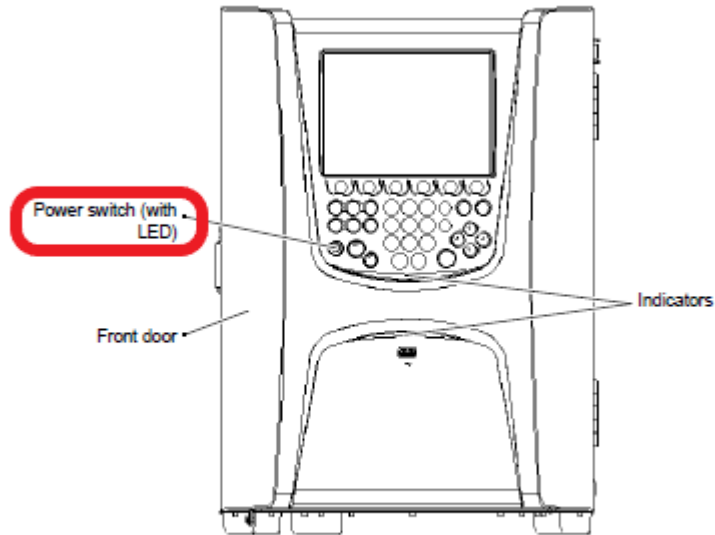
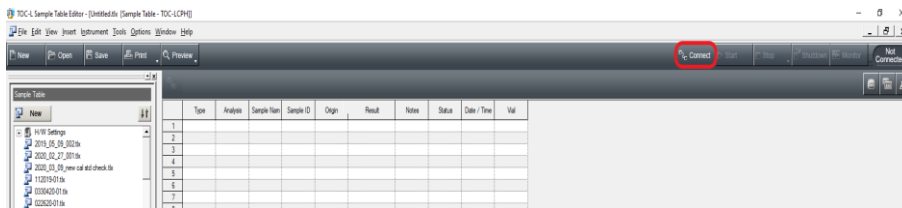
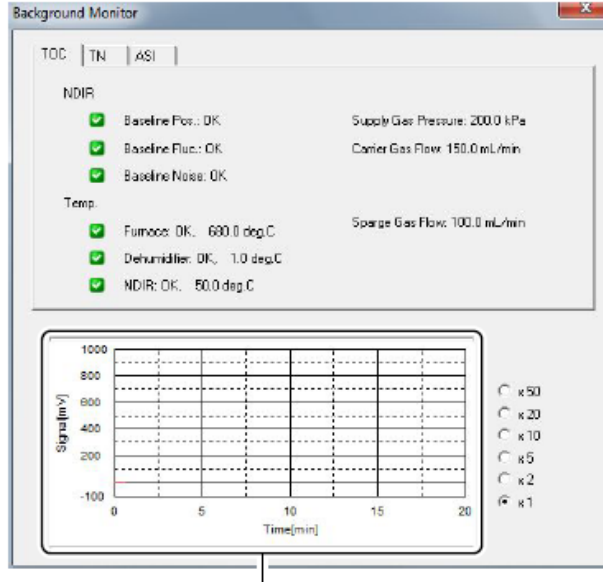


Figure 2.1 Front View

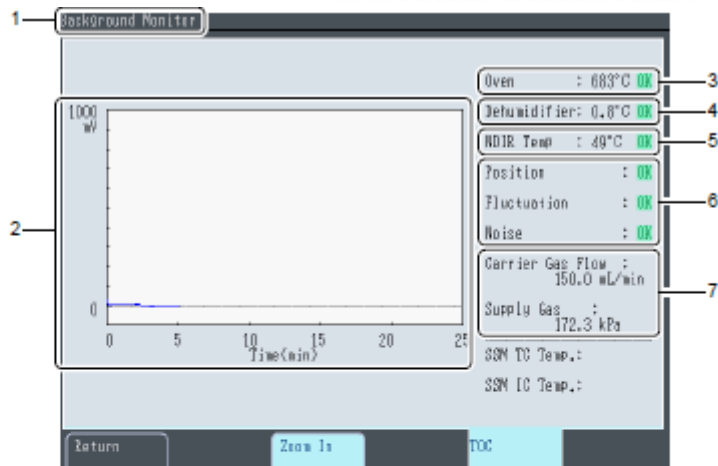
7. For Standalone models the initialization will proceed on its own.
8. For PC controlled models open the software, open a sample table, then press the 'Connect' button to connect to the instrument and proceed with initialization



9. Make sure the instruments initialize properly then wait for approximately 30-45 minutes for furnace to heat up and instrument to stabilize. Make sure you get all green lights or ok status for all parameters.







### Screen Items

- (1) Screen title "Background Monitor"
- (2) Baseline is displayed.
- (3) Furnace temperature. OK or NG is displayed.
- (4) Dehumidifier temperature. OK or NG is displayed.
- (5) NDIR detector temperature. OK or NG is displayed.
- (6) Baseline position, fluctuation, and noise. OK or NG is displayed for each of these properties.
- (7) The carrier gas flow rate and supply gas pressure to the instrument are displayed.

10. Refer to the user manual for additional details.

11. Proceed with normal operation.