CT 2600 Instrument

Operation

1. Turn instrument on (rear cover)
2. After self testing, screen shows a message saying a 20 minutes warm up period. It is recommended that you wait for this period to elapse in order to get reliable data. Otherwise, press enter to skip warm up. A message saying "please wait" is displayed.
3. At this time, four choices are displayed on the screen:
   - Photometry
   - Quantitation
   - Kinetics
   - Utility
4. If you are to use just UV or visible only, please go to utility to turn either lamp off (keep the lamp you will use on). This is done by selecting D_2 lamp, enter, off, enter, and finally Return, to go back to the main menu.
5. Select Photometry and press enter: A screen showing the current wavelength setting and the absorbance will be displayed.
6. Press "Set": a screen showing the following is displayed
   - Abs
   - %T
   - Energy
7. Select "Abs" if you want to measure absorbance, then press Return go back to screen in step 3.
8. Press "goto λ" then 'enter': now you can insert the wavelength you want to use for your absorbance measurements. Press 'enter', now the instrument adjusts to the new wavelength you have just inserted.

CT2600 Basic Absorbance Measurement

Now you are assumed to have adjusted the wavelength and selected absorbance as in step 7 and 8.

1. Press "goto λ" then 'enter': now you can insert the wavelength you want to use for your absorbance measurements (insert 400 nm). Press 'enter', now the instrument adjusts to the new wavelength you have just inserted.
2. Place the blank in the first cell facing the beam.
3. Press the 'Zero' button on the panel: the instrument will read the absorbance of the blank as 0.000.
4. Remove the BLANK and place the sample in place, the instrument reads the absorbance of the sample.
5. Press goto λ and insert 410 nm then enter.
6. Repeat steps 1-4 in order to measure the absorbance of all samples, one in a time.
7. Remember that in case you change the wavelength, you have to repeat steps 1 through 4, since absorbance of the blank depends on wavelength.