COLLECTING DATA:

1. Plug the selected probe into Channel One on the top of the CASIO* EA100 data analyzer. Turn the EA100 on and press the SHIFT key. Then press the MODE button which will put us into the mode to setup the Data Logger.

2. Your display will show you different time selections in seconds (1 sec, 2 sec, 5 sec, 10 sec, 20 sec, 30 sec, 60 sec, .000 sec, 10 millisec, 20 millisec, 50 millisec, 100 millisec, 200 millisec, 500 millisec.). These numbers represent how often you want the EA100 to take a sample. You will select this option by pushing the DataLOG key. For example, if you select the 5 second setting, this means that we will take a sample every 5 seconds.

3. Press the TRIGGER button next and now the display shows you how many samples the data analyzer will take. Choices: 200, 20, 30, 50, & 100. Select your choice by pressing the DataLOG button until the correct choice appears on the screen. Example: selecting the "30" option programs the data analyzer to take 30 samples.

4. Press the TRIGGER button again and now we have options for how selections will be taken. There are three options: 0, 1, and 2. We want to use the "time recording on (absolute)". Use the DataLOG key and change to the "1" selection.

5. Press TRIGGER and the EA 100 should display "READY".

USING MORE THAN ONE PROBE:

1. Locate the CHANNEL VIEW (CH-View) button on the EA100.
2. Select the next port that you want to initialize (i.e. Ch2, Ch3, etc).
3. Repeat steps 1-4 above and set up any additional probes.
4. Press TRIGGER and the EA 100 should display "READY."
SUMMARY:  
1. Turn on the EA 100.  
2. Press CH-View to select the channel or port that you are using with the selected probe.  
3. Press the SHIFT then MODE KEY  
4. Set sampling at selected intervals by pressing the DataLOG button until the correct interval appears on the screen  
5. Press TRIGGER  
6. Set the number of samples to be taken by pressing the DataLOG button until the correct number of samples appears on the screen  
7. Press TRIGGER  
8. Select the option for taking samples by pressing the DataLOG button until "1" (absolute or real time) appears on the screen  
9. Press TRIGGER, EA100 should display "READY"