

## **Calculator Based Laboratory (CBL) Instructions for Barometric Pressure**

### **Equipment Needed:**

TI-83 Plus Calculator  
AC Adapter  
TI CBL System  
Input/Output Cable  
CBL-DIN Adapter  
Barometer Sensor

### **Basic Setup and Use:**

- Plug the black link cable into the link port on the bottom of the CBL and TI graphing calculator.
- Plug the CBL-DIN adapter into Channel 1 of the CBL.
- Connect the sensor to the CBL-DIN adaptor.

### **Barometer:**

Turn on CBL unit and the calculator.

Press APPS

Press the calculator key for the number that precedes CHEMBIO

Press ENTER (this takes you to the MAIN MENU)

Select SET UP PROBES from MAIN MENU.

Select "1" as the number of probes.

Select MORE PROBES.

Select BAROMETER from the MORE PROBES menu.

Enter "1" as the channel number

Press ENTER

Select USED STORED from the CALIBRATION Menu

Press ENTER

Enter "3" for inches from the UNITS Menu

Select COLLECT DATA from the MAIN MENU.

Select SINGLE POINT (number "5") from the DATA COLLECTION menu.

Press ENTER to begin collecting data.

Wait 25 seconds.

Single Point Value is the data in units.

(Results are an average of the past 25 seconds of collected data.)

Instructions Adapted from CBL Made Easy!

Vernier Software

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