Calibration of CO2 Probe

Run this calibration twice a year.

1) Remove all externals from probe

Unscrew top from bottom (don't forget about the o-ring)	Twist top to release locks. Pull out
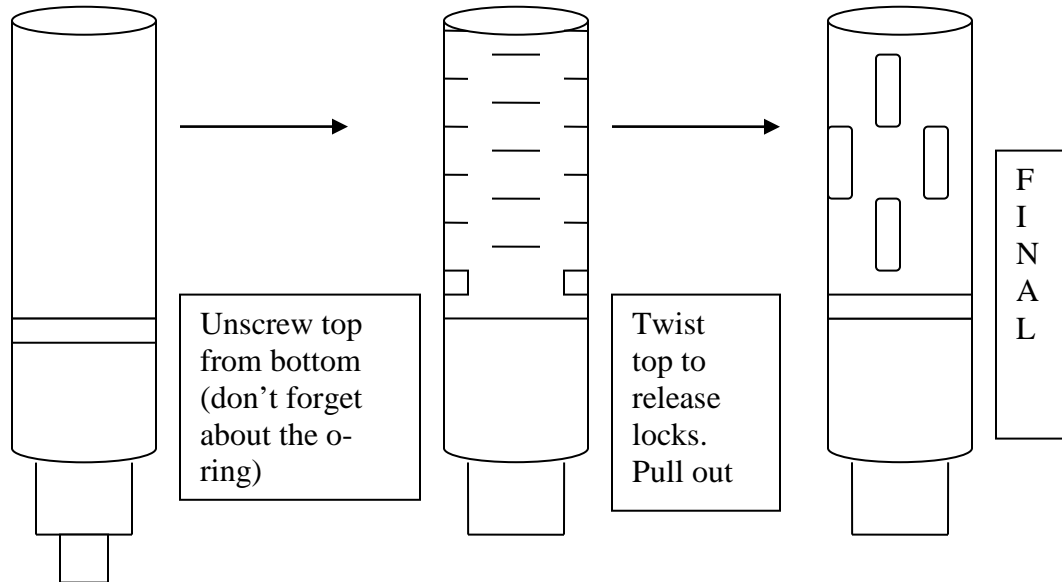
2) While everything is off, plug probe into probe adapter and plug probe adapter into the reader
3) Turn on the power by pressing the power button.
4) A window like this should pop up

> Environment Settings
> Have an effect on CO2
> Readings
>
> Check the settings now?
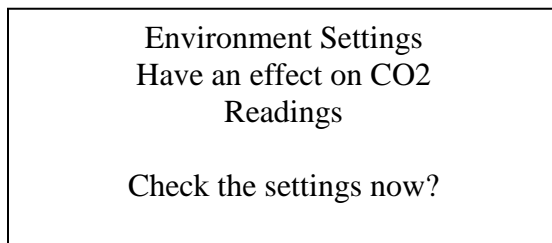
5) Press Yes.
6) Find out the temperature of your surroundings (the room temperature) and select T: to change the temperature setting
7) When done press ok and then press exit
8) Now on the probe adapter, turn it to its backside. Located in the middle right of the adapter is a button (you need a thin stick or pin to push the button to access the adjustment mode.
9) This window should pop up and press ok

10) The word "Adjustment" should now be blinking at the top of the screen.
11) Select CO2
12) The same window from step 4 should pop up. Press yes if you would like to double check the temperature but press no if it is not needed.

13) Plug gas cover on the probe (make sure you feel the o-ring being plugged in.)
14) Set intermediate valve to accept N2 gas

Notice Positioning of line
on the valves

CO2 + N2		N2	CO2 + N2		N2
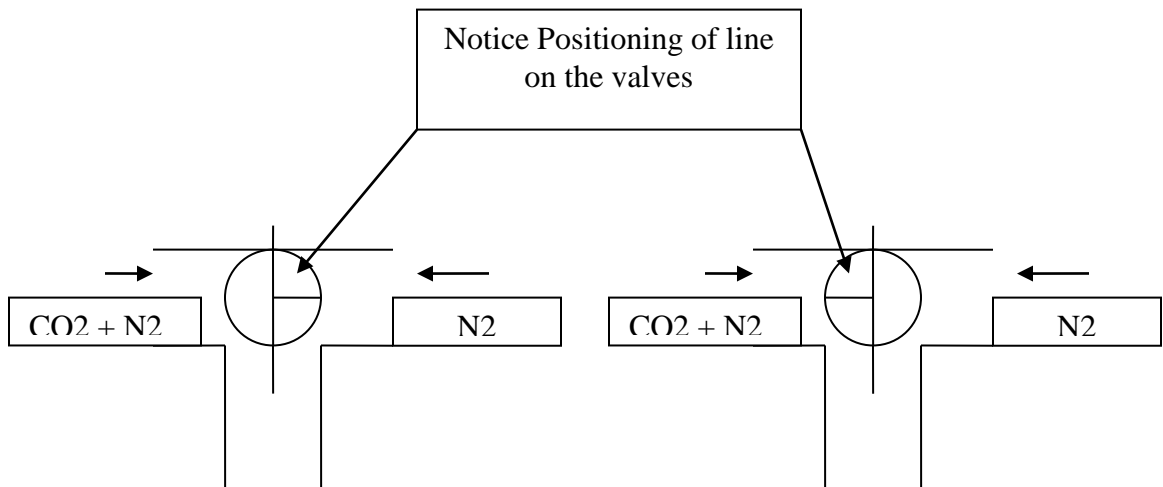
15) Open N2 gas tank by twisting valve left (make sure not to pass about 800psi)
16) Obtain gas by twisting second knob to the right. (allow pressure gauge to move to about 20 psi)
17) Twist smaller knob to the left so gas is now going to the prob. Adjust transfer gauge to about 0.61.
18) Reader should start lowering in ppm.
19) Wait about 5 minutes and press adjust.
20) Select the "2-point adjustment"
21) Press ready and set it to 0 ppm. Press ok

22) This window should pop up:

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Do you really want to
        adjust?
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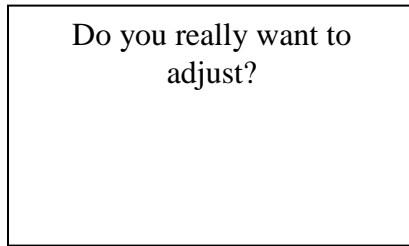
23) Press yes
24) Turn off the valve from the N2 gas by twisting the small knob all the way to the right.
25) Repeat steps 13-16 but for CO2.+N2
26) Once you do step 16 for the CO2+N2 mixture, the reader should start rising in ppm.
27) After you wait about 5 minutes, repeat adjustment process but instead of setting it to 0 ppm you will set it to 10,000 ppm.
28) This window will pop up:
29) Then press yes or no.
30) Adjustment done.
31) If you want to calibrate more probes, just plug in a new one and repeat the process starting from step 12.
32) If done, turn off everything and shut of all gas valves.