

<b>Title:</b>	<b>CO2 Principal of Operation</b>	<b>ID:</b>	
		0047	
<b>Date in:</b>	<b>Response:</b>	<b>Model:</b>	<b>Author:</b>
2005-07-20	2005-07-20	-	CMa

### Q:

Customer needs to calibrate CO2 every 6 months and is asking where the CO2 comes into the incubator's chamber. I tried tracing the blue tubing from the intake to the CO2 PCB but I loose it at where it comes in. I tried removing the internal cover in the back of the incubator but I don't see the tube...???

Can you tell me where it comes in and if there is a procedure on how they can calibrate using their flow meter? Is there some adjustment POT to tweak?

They need an answer to this pretty quick because their measurements need to be finished by the end of next week.

### A:

I think there is a misunderstanding on how the CO2 in a StoreX works. I know that there are some low-end incubators in the US that use constant flow CO2. This is not the case on a StoreX. We actually measure CO2 and we turn off CO2 once it reaches the desired level. The flow has nothing to do with the CO2 level!

There is no need for re-calibration since we're using a very high-end sensor (differential CO2 absorption sensor). What they can do is to check the CO2 level. To do so they need a calibrated CO2 measurement instrument to measure the CO2 level.

