

PLUG'N'GROW™ CO₂ Sensor Calibration method for controllers displaying readings in PPM©

Please, completely read this user guide before to begin. Precautions: check the calibration gas bottle for sufficient content by marking each use on the bottle label: use a new bag for each calibration procedure to avoid a punctured one that would waste gas and result in erroneous calibration: some controllers require to depress a button inside the enclosure, choose a tool that will not puncture the bag.

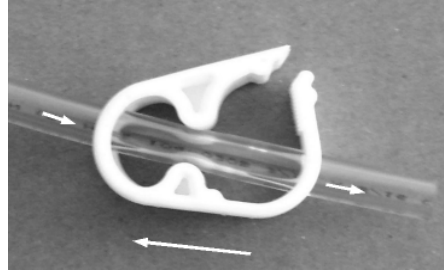


Risk of injury: manipulate carefully the bottle gas regulator : gas under high pressure

1. Warm up the CO₂ controller or sensor for 10 minutes or according to user guide.



2. Fit the regulator ② on the gas bottle ① and fit the pinch clamp ⑤ on the clear flexible tubing ④



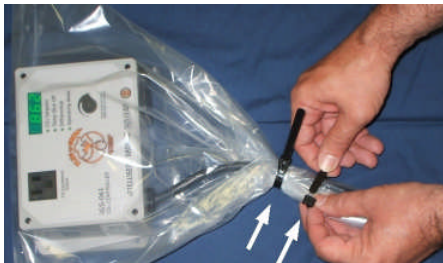
3. Put the working CO₂ PPM controller in the bag and insert the flexible tubing with the end nearby the controller air inlet



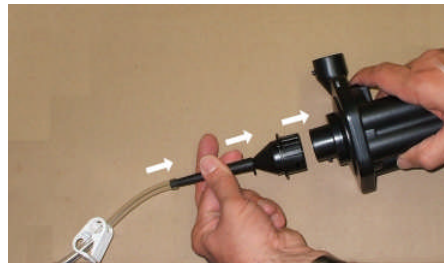
4. Close the bag tightly around the cable and tubing: twist the bag to ensure air-tightness



5. Place and tighten snugly 2 reusable tie wraps about 1 inch (25 mm) apart



6. Fit clear tubing on the pointed nozzle adapter and fasten the adapter to the vacuum port on the air pump

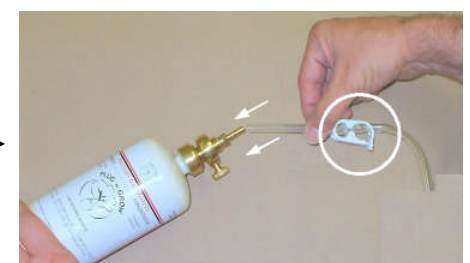


7. Open pinch clamp and withdraw air with the pump: Watch the bag collapsing down; pinch the tubing with the clamp before to turn off the pump. CHECK THE BAG!



If it inflates, check clamp, tie wraps or bag punctured (change and go back to step 3)

8. Pinch clamp closed, fit the clear tubing to gas regulator



9. Carefully open the gas regulator and open the pinch clamp on the tubing: inflate the bag lightly around the controller, pinch the tubing and shut the gas regulator.



10. Let the CO₂ controller "breathe" the calibration gas mixture and stabilize the readings, (pinch clamp still tightened).



Remove tubing from the regulator and the regulator from the bottle: **mark a check on the bottle label to count the uses** and put the gas bottle and regulator away

11. Calibrate controller at 1000 PPM according to manufacturer's user guide manual calibration method



12. To check, leave CO₂ controller in bag in measuring mode for about 5 minutes

**Between 900 and 1100 PPM, it's OK!
Done! Remove from bag and reinstall !**

