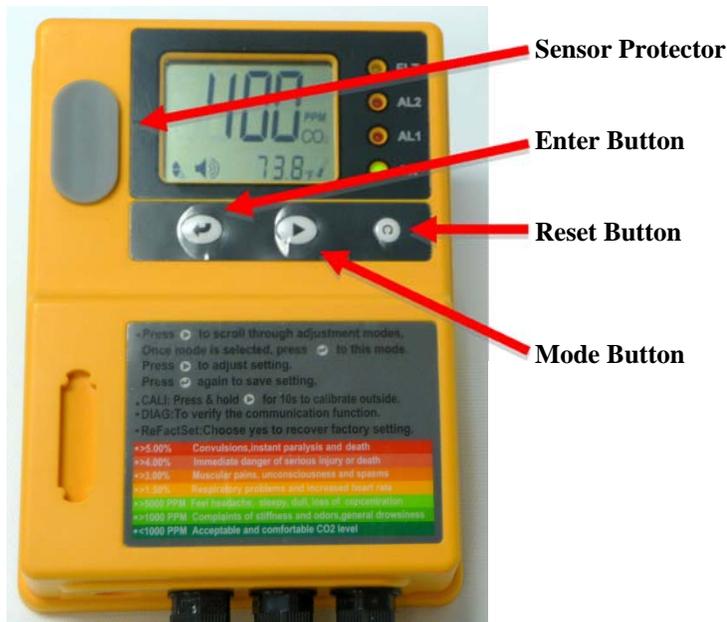


RAD-0100 Remote CO2 Storage Safety Alarm Calibration Procedure

There are 2 methods for calibration: diffusion (recommended) and pump using a standard gas. For diffusion calibration, we recommend taking the unit outdoors or anywhere it will be exposed to fresh air. Wait 5 minutes until the CO2 reading stabilizes, start the calibration, then step away from the meter to insure your exhaled breath will not disrupt the calibration process.

1. Diffusion Calibration



1. Check that the Sensor Protector is removed. You can store it in the lower indent on the body of the unit.



2. Press the Mode Button until the CALI icon appears flashing.



3. Press Enter. The CALI icon will show steady on the LCD.



4. Press and hold the Mode button until the CALIBRATING icon flashes (about 10 seconds). Let go. Calibration will begin.

FRESH AIR IS REQUIRED. DO NOT BREATHE ON UNIT.



6. If the LCD displays PASS press ENTER. Calibration is complete.



5. After 10 minutes the LCD will display PASS or FAIL.



7. If it displays "FAIL" repeat the process.

When to Calibrate:

The CO2 Safety Alarm should be calibrated at least once a year, or after an alarm, using normal, outdoor air (approximately 400ppm). If you KNOW the room is filled with fresh air, you can calibrate the unit in-place. Otherwise you should move the unit and power supply outdoors and calibrate. Do not breathe toward the unit during the calibration process, as your breath's CO2 will affect the calibration settings.

2. Pump Calibration

You can use a cylinder of normal air with 400ppm of CO₂ to calibrate the meter. For calibration, you must use the included air plug with an in/out port connected to the gas cylinder. The Flowrate should be set between 0.15 and 0.3 liters per minute.



Turn on the gas, wait for at least 2 minutes, and then follow the same procedure as outlined in diffusion calibration. After calibration is complete, you should see PASS on the screen. If you see FAIL, repeat the procedure before contacting us for support.



Contact us: We are here to help!

If this calibration guide does not answer your questions - or for more information - please contact:

✉ support@co2meter.com

☎ (386) 872-7665

(M-F 9:00am–5:00pm EST)

📠 (866) 422-2356 fax

🌐 www.co2meter.com