



OXYBABY® O₂/CO₂ Analyser

If your OXYBABY® returns unusual readings or does not operate as expected, complete the following checks in order. This process will help identify whether the issue is caused by the sampling components, O₂ sensor calibration, power supply or battery condition.

Always complete each step before drawing conclusions from the results. Incomplete troubleshooting can lead to inaccurate readings and unnecessary servicing.

STEP
1

PERFORM AN ATMOSPHERE TEST

Take a sample of the surrounding room air. A correctly functioning analyser should display approximately: • 20.9% O₂ • 0.4% CO₂

If either reading is significantly outside the expected range—for example, an O₂ reading of 17% or 22.8%, or a CO₂ reading of 7%—continue to Step 2.

STEP
2

REMOVE THE NEEDLE AND FILTER

Remove the needle and filter, then repeat the atmosphere test.

If the readings return to the expected range, the needle or filter is likely to be blocked. Inspect both components and replace them as required.

If either reading remains inaccurate, continue to Step 3.

STEP
3

CALIBRATE THE O₂ SENSOR

Navigate to the correct calibration screen: Calibrate O₂ Sensor / Cal Pt 20.9

Calibrate the 20.9% O₂ point using the surrounding room air. Follow the prompts and watch the screen for the calibration result.

CALIBRATION LIMITS

Only the 20.9% O₂ point can be calibrated using room air. The CO₂ sensor and 0.00% O₂ point require specialist equipment.

UNEXPECTED CO₂ READINGS

The CO₂ sensor relies on battery power. Check the power connection and battery condition. Battery power can be affected by idle time in cold environments. Allow the analyser to reach ambient temperature for 60 minutes, then retest.

Calibration Outcome



CALIBRATION SUCCESSFUL

The device displays "saving calibration."



WARNING MESSAGE DISPLAYED?

Contact SGTA technical support
(03) 9408 9841 | service@sgta.au

Important

- Handle the OXYBABY® carefully.
- Handle the needle protector gently.
- Never sample packaging containing liquid.
- Troubleshooting by trained personnel only.