

GETTING STARTED WITH OXYGEN SENSORS

1. UNPACKING

- Remove the grey shock-absorbing plastic net and inspect the microelectrode visually. Leave the microelectrode in the protection tube for testing.

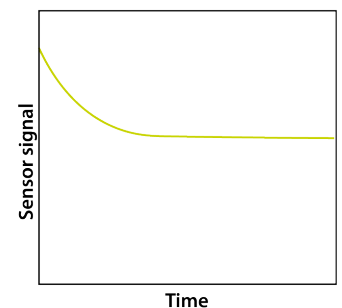
2. CONNECT THE pH ELECTRODE TO THE AMPLIFIER

- The amplifier is automatically set up correctly when used with these instruments: UniAmp series, Multimeter, Monometer, OXY Meter, Field Microsensor Multimeter, and Unisense in situ amplifiers.
- For other amplifiers, set the polarization manually to -800 mV.

NOTE! Incorrect polarization may destroy the sensor

3. WAIT FOR THE SENSOR TO STABILIZE

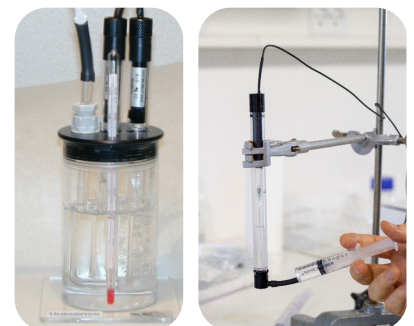
- The signal will be very high right after the sensor is connected and will decrease over time.
- The period of decreasing signal will normally be at least 2 hours.
- Once the signal is stable, calibration can be performed.



A typical decrease in sensor signal over time for a sensor that has just been plugged in.

4. CALIBRATE THE SENSOR

- Use air saturated water as one calibration point. This is easily done using the CAL300 calibration chamber. The sensor may be dipped directly into the calibration chamber or the air saturated water may be injected into the protection tube using the calibration cap.
- Use the Unisense zero O₂ solution as the second calibration point. Inject the zero O₂ solution into the calibration cap (incl. in calibration kit) and wait for the sensor to respond.
- For alternative calibration method, see the O₂ Microsensor manual.



CAL300 with microsensors and bubbling with air. Injecting calibration liquid into protection tube using the calibration cap.

5. APPROVE THE SENSOR

- Compare the zero O₂ signal to Unisense Standard specifications (incl. in sensor box).
If necessary, see Troubleshooting in the O₂ Microsensor manual or contact support (see below)

6. STORAGE

- When not in use, store the sensor with the protection tube mounted at 10 - 30°C. If the sensor is used regularly, keep it polarized and connected to the amplifier.

USEFUL TOOLS



For support go to
www.unisense.com/support/ or
contact sales@unisense.com



Get the full manuals for all
sensors, equipment & software at
www.unisense.com/manuals/.



O₂ Microsensor
Manual



Calkit-O₂
Manual



SensorTrace Suite
Manual



Find SDS for
Calibration Kit here