



Instructions for care of pH, ORP, and Reference Electrodes

pH Electrode

Rinse electrode with distilled water and blot dry in between readings. Rinse with methyl alcohol or use a mild cream cleanser (with a soft cloth) to further clean the glass bulb and restore responsiveness. Alternatively, soak the sensor in 0.1M HCl for 5 mins; remove and rinse with water and place in 0.1M NaOH for 5 mins; remove, rinse with water and soak in pH 4 buffer for 10 mins before use again.

ORP Electrode

Rinse electrode with distilled water. Further cleaning of the metal tip can be done with fine emery paper.

Reference Electrode

Rinse with distilled water after use. Also clean with methyl alcohol or 0.1M HCl periodically.

Filling Solutions

Only refillable pH, ORP and reference electrodes can be refilled with 3.5M KCl saturated with AgCl. Carefully slide off the plastic cover and fill the outer chamber of the sensor with the appropriate filling solution/gel.

Other Notes

- Salt crystallisation within the electrode is normal and crystals can be washed off the electrode tip with water. This is caused by the KCl solution in the wetting cap.
- When removing the wetting cap, pull the cap straight down or twist clockwise. This will prevent the sensor guard from being unscrewed. Broken pH bulbs are not covered under warranty.
- Air bubbles in the pH bulb may form during shipment. This may affect the performance and stability of the readings. To fix this, flick the pH sensor down (like a thermometer) until the glass bulb is filled with solution.
- Bubbles in the outer reference chamber can also be removed by flicking the sensor down (like a thermometer) until the chamber is filled with solution.

Electrode storage & rejuvenation

Store with a few drops of 3.5M KCl (TPS code # 121308) in the wetting cap. Probes that have dried out may be rejuvenated by soaking in pH 4 for a few hours.