



Maintenance & Refill procedure for All refillable PH & ORP probes

STORAGE PROCEDURE

To minimize clogging and assure a quick response time, the glass bulb and the junction of the electrode should be kept moist and not allowed to dry out.

Replace the solution in the protective cap with a few drops of MA9015 Storage Solution or, in its absence, 4.0 calibration solution or Re-Filling Solution (MA9011). Follow the Preparation Procedure before taking measurements.

Note: NEVER STORE THE ELECTRODE IN DISTILLED OR DEIONIZED WATER.

PERIODIC MAINTENANCE

Inspect the electrode and the cable. The cable used for connection to the instrument must be intact and there must be no points of broken insulation on the cable or cracks on the electrode stem or bulb. Connectors must be perfectly clean and dry. If any scratches or cracks are present, replace the electrode. Rinse off any salt deposits with water.

PROBE MAINTENANCE

Every 4 to 6 months depending on use you should Refill the reference chamber with fresh electrolyte (MA9011). Take the “blue bolt” out of the side of the units and that will expose a black membrane at the bottom of the well. If this is the first time to refill your probe then you will need to penetrate and open up this black membrane with a small diameter paper clip that has been opened up to form a “probe rod.”

With the paperclip open, probe the black membrane until you find where the rod can pass through the membrane into the inside of the probe. You must waddle the paperclip around in this through hole to open up the membrane. Take the needle nose pipette furnished with your unit and poke the needle through the membrane hole you created into the center of the probe and force air into the probe which will blow out ref. liquid and then release to extract extra liquid. You can almost completely vacate the liquid from the probe interior with just 2 of the actions. Be sure to point the probe up during this procedure. Once empty then refill with MA9011 (a 50ml starter bottle was provided with your unit)

To Refill point the probe down at a 45 to 50 degree angle and load the pipette with fresh MA9011 liquid and insert into the center of the probe and reload. Try to completely fill the probe (should only have 1 small bubble inside). Let the probe stand in storage solution for 1 hour with it hooked up to the meter and the meter turned on. If you meter cycles out just turn it on every time you go by it. At the end of the hour of charging in storage solution you should recalibrate.

CLEANING PROCEDURE

- For Wine deposits Soak in Milwaukee MA9016 cleaning solution for 1 hour
- Wine stains Soak in Milwaukee MA9016 cleaning solution for 1 hour

IMPORTANT:

After performing any of the cleaning procedures, rinse the electrode thoroughly with distilled water, refill the reference chamber with fresh electrolyte and soak the electrode in MA9015 Storage Solution for at least 1 hour before taking measurement

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