pH ELECTRODE CARE



DOMINIQUE DUTSCHER SAS

Product Care

Product code:

823-504

Supplied by
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During shipping, air bubbles can move into the glass bulb. To remove the bubble, shake the electrode as you would a clinical thermometer until the glass bulb is clear with solution.

PREPARATION FOR USE
All Sensors are shipped with the measuring end covered with a screw cap vial containing soaking solution. Remove the vial from the electrode, rinse thoroughly with DI water and gently dry with nonabrasive tissue. The electrode is then ready for use.

Make sure you do not scratch the membrane. This can cause unreliable readings.

CALIBRATION
Refer to the pH meter manual to ensure correct operation. Always make sure the electrode has stabilised in your first calibration solution before starting the procedure. A 2-point calibration is recommended : use pH7 and pH4 buffers for acidic samples; pH7 and pH10 buffers for alkaline samples. Please contact us for calibration instructions.

Wrong calibration will cause inaccurate readings.

ELECTRODE STORAGE
Store in an up-right position and keep tip wet.
SOAKING SOLUTIONS
- pH electrodes should be stored in an appropriate storage solution for both overnight and long term storage
- Reference and Double Junction pH electrodes should be stored in the same solution as inside the outer reference chamber.

Keep the membrane soaked at all times. A dried membrane will cause inaccurate readings and drifts. If so, soak the probe overnight in soaking solution.

CARE AND CLEANING
Clean after each use with DI Water or a solvent that dissolves your sample. Rinse thoroughly with DI water and gently dry with a nonabrasive wipe. Return to the soaking solution.

A COATING OF THE MEMBRANE
- Slow response and non-reproductable measurements are signs that the electrodes have become coated.
- If the glass becomes coated, the response time for measurements will increase (normally 95% of the final reading should be achieved in less than 10 seconds in pH buffers).
- pH: rinse with DI and if this does not restore the electrode use an appropriate cleaning solution that dissolves your sample.

Exercise great care when handling chemicals.

COATING AND CLOGGING OF THE JUNCTION
- Reference electrodes use a liquid junction for electrical contact to the solution being measured. If the junction becomes clogged or coated, the reference becomes erratic. Cleaning with an appropriate cleaning solution periodically will improve the electrodes performance. If this does not work, place the tip of the electrode in warm KCl (50°C) for five minutes.

FILLING SOLUTIONS
These electrodes do not need filling and do not have a filling hole on the side of the electrode.

***DI = De-ionised Water**

PLEASE NOTE
The salts storage solution is prone to capillary action - although salts may have formed on the outside of the probe, there is no harm and no detriment to the probe's performance.

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