

# Care of your pH meter

## **How do I calibrate my pH meter?**

Dip your pH electrode into pH 7.01 first. Wait for the reading to stabilise and adjust the pH meter to read 7.01 on the display.

Rinse the electrode with distilled or tap water.

Dip the electrode in pH 4.01 or pH 10.01 buffer and wait for the reading to stabilise. Adjust the pH meter to read the correct pH on the display.

Note: Always start calibration at pH 7 first and then use the pH 4 or pH 10 buffer second. The choice of the second buffer depends on your application: if you are measuring acidic samples then use the pH 4 buffer and if you are measuring alkaline samples, use pH 10. Some pH meters require a three point calibration in which point all three buffers will be required.

## **How do I clean my electrode?**

Frequent cleaning of your electrode will ensure optimum results and will prolong its life.

To use the cleaning solution, simply immerse your electrode in it for 15 to 20 minutes. Rinse well with plenty of clean water prior to storage.

## **How should I store my pH meter when not in use?**

When not in use a storage solution should be put into the cap of your pH meter to make sure the electrode is kept wet. If the sensitive glass part dries out the electrode will no longer function correctly.

Check the level of the storage solution regularly as it will evaporate over time.

Never store your electrode in distilled water.

## **What is the expected life of my electrode?**

A pH electrode that is well maintained can last for up to two years. However, high temperature applications and abrasive chemicals may shorten its life. Always make sure that you have the correct type of electrode for your sample type.

*Information provided by Hanna Instruments*