

Solutions to calibrate and look after your pH meter and electrode

pH solutions with a known value are called **buffer solutions**. They can be used to check the performance and accuracy of your pH meter and electrode and can also be used as a reference against which to calibrate.

Hanna buffer solutions are prepared according to precise formulae and standardised against NIST references to ensure quality and accuracy.

They are supplied ready to use - so no pre-mixing required - and feature full lot traceability for peace of mind.

Choose from solutions supplied in ready to use re-sealable 500ml bottles, or individually sealed foil sachets containing 20ml of solution.

Solutions in 20ml Sachets – supplied in packs of 25



pH 4.01 buffer solution
part no: HI 70004P

Package
25 x 20ml sachets

pH value @ 25°C
4.01 pH



pH 6.86 buffer solution
part no: HI 70006P

Package
25 x 20ml sachets

pH value @ 25°C
6.86 pH



pH 7.01 buffer solution
part no: HI 70007P

Package
25 x 20ml sachets

pH value @ 25°C
7.01 pH



pH 9.18 buffer solution
part no: HI 70009P

Package
25 x 20ml sachets

pH value @ 25°C
9.18 pH



pH 10.01 buffer solution
part no: HI 70010P

Package
25 x 20ml sachets

pH value @ 25°C
10.01 pH

Solutions in 500ml bottles:



pH 4.01 buffer solution
part no: HI 7004L

Package
1 x 500ml bottle

pH value @ 25°C
4.01 pH



pH 6.86 buffer solution
part no: HI 7006L

Package
1 x 500ml bottle

pH value @ 25°C
6.86 pH



pH 7.01 buffer solution
part no: HI 7007L

Package
1 x 500ml bottle

pH value @ 25°C
7.01 pH



pH 9.18 buffer solution
part no: HI 7009L

Package
1 x 500ml bottle

pH value @ 25°C
9.18 pH



pH 10.01 buffer solution
part no: HI 7010L

Package
1 x 500ml bottle

pH value @ 25°C
10.01 pH

Electrode maintenance solutions

Proper care and maintenance of your pH electrode will provide faster response times and better accuracy and repeatability.

Small grease or fat deposits on the glass measurement bulb of a pH electrode have a detrimental effect on accuracy and response time. Even clean hands can leave a deposit on the glass, so it is recommended that even when measuring neutral solutions such as water, the electrode is still maintained in peak condition using a general purpose cleaning solution.

Best practice

To keep your electrodes at peak performance it is good practice to clean the liquid junction of the electrode once a day or at least once a week by immersing the electrode into a cleaning solution for 15 to 20 minutes and then storing in storage solution. If you don't have storage solution then pH buffer 4 or buffer 7 can be used as an alternative.



HI 70300L

500ml bottle of electrode storage solution



HI 7061L

500ml bottle of general purpose cleaning solution



HI 7073L

500ml bottle of protein cleaning solution



HI 7074L

500ml bottle of inorganic substance cleaning solution



HI 7077L

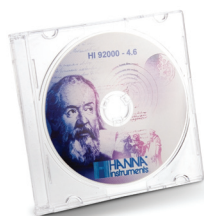
500ml bottle of oil and fats cleaning solution

Accessories



HI 7662

Temperature probe provides automatic temperature compensated readings when connected to a pH meter



HI 92000

Hanna Windows compatible software for analysis of stored data



HI 920013

USB computer connection cable



HI 76405

Stand-alone metal based cantilever electrode holder



HI 76404N

Spare/replacement electrode holder – attaches to base of Hanna bench pH meters