

## 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

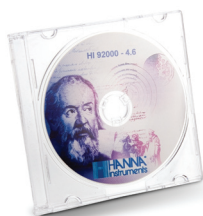
500ml bottle of oil and fats cleaning solution

## 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