



HI5000 Series

## pH Technical Calibration Solutions

- Supplied with Certificate of Analysis
- Accuracy of  $\pm 0.01$  pH @ 25°C
- Safety Data Sheets
  - Safety data sheets for all Hanna solutions are available at [hannainst.com](http://hannainst.com) or upon request.
- Expiration date
  - The production batch number, expiration date, and temperature correlation table are reported on all Hanna calibration solutions.
- NIST traceability
  - Standardized using a meter and specially designed multi-reference probe. Reported values are traceable to NIST Standard Reference Materials (SRMs).
- Air-tight bottles
  - Air-tight bottle with tamper-proof seal of freshness to ensure quality.
- Single use sachets
  - opaque packaging prevents oxidation from UV light that could alter the value. Every sachet is as fresh as the day it was packaged.

### Technical Solutions ( $\pm 0.01$ pH) for Each Point of the pH Scale

To obtain precise and valid pH measurements, the pH meter and electrode must be calibrated at a minimum of two different points, close to the value of the sample to be tested. For this type of calibration, Hanna offers technical solutions for each point of the pH scale.

This complete scale of buffer solutions offers a higher degree of accuracy for pH measurements in specific areas of application, as in monitoring the pH of must and wine. This line includes twenty solutions starting from a value of pH 1.00 up to pH 13.00 with an accuracy of  $\pm 0.01$  pH, thus covering every point of the pH scale.

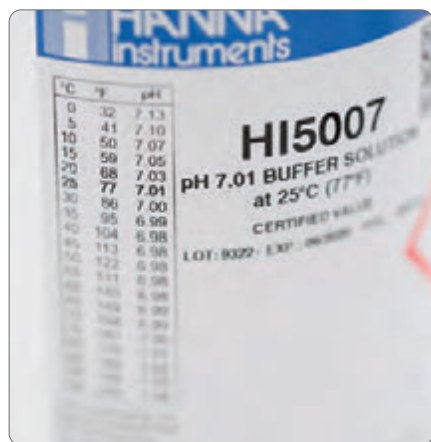
These solutions are dedicated to applications that require extremely accurate pH monitoring, and come with a certificate of analysis prepared by comparison against NIST standards.

Also available are solution bottles that are colored according to a given standard calibration value: HI5004-R (Red), HI5007-G (Green) and HI5010-V (Violet).

ติดต่อบริษัท เนโอเนิกส์ จำกัด

Tel: 098-479-5684 หรือ 061-8268939

E-mail: [sale@neonics.co.th](mailto:sale@neonics.co.th) หรือ [sale@tools.in.th](mailto:sale@tools.in.th)



## Table of Reference Temperatures

HI5000 calibration solutions are provided with a label presenting a reference table of the relationship between pH or conductivity values and temperature.



## Bottles

pH Value @25°C	Code	Package	Certificate of Analysis
1.00	HI5001	500 mL	•
1.68	HI5016	500 mL	•
2.00	HI5002	500 mL	•
2.00	HI5002-01	1 L	•
3.00	HI5003	500 mL	•
4.01	HI5004	500 mL	•
4.01	HI5004-01	1 L	•
4.01	HI5004-R	500 mL (color coded solution)	•
4.01	HI5004-R08	1 G (3.78 L) (2) (color coded solution)	•
5.00	HI5005	500 mL	•
5.00	HI5005-01	1 L	•
6.00	HI5006	500 mL	•
6.86	HI5068	500 mL	•
7.01	HI5007	500 mL	•
7.01	HI5007-01	1 L	•
7.01	HI5007-G	500 mL (color coded solution)	•
7.01	HI5007-G08	1 G (3.78 L) (2) (color coded solution)	•
7.41	HI5074	500 mL	•
8.00	HI5008	500 mL	•
8.00	HI5008-01	1 L	•
9.00	HI5009	500 mL	•
9.18	HI5091	500 mL	•
10.01	HI5010	500 mL	•
10.01	HI5010-01	1 L	•
10.01	HI5010-V	500 mL (color coded solution)	•
10.01	HI5010-V08	1 G (3.78 L) (2) (color coded solution)	•
11.00	HI5011	500 mL	•
12.00	HI5012	500 mL	•
12.45	HI5124	500 mL	•
13.00	HI5013	500 mL	•

## Sachets

pH Value @25°C	Code	Package	Certificate of Analysis
1.00	HI50001-02	20 mL (25)	•
1.68	HI50016-02	20 mL (25)	•
2.00	HI50002-02	20 mL (25)	•
3.00	HI50003-02	20 mL (25)	•
4.01	HI50004-02	20 mL (25)	•
5.00	HI50005-02	20 mL (25)	•
6.86	HI50068-02	20 mL (25)	•
7.01	HI50007-02	20 mL (25)	•
9.00	HI50009-02	20 mL (25)	•
9.18	HI50091-02	20 mL (25)	•
10.01	HI50010-02	20 mL (25)	•
11.00	HI50011-02	20 mL (25)	•
12.00	HI50012-02	20 mL (25)	•
12.45	HI50124-02	20 mL (25)	•
13.00	HI50013-02	20 mL (25)	•

## Hanna Combination Kits in Bottles

Use our combination kits for easy ordering and reordering.

Code	Solutions (pH Value @25°C)	Bottle	Certificate of Analysis
HI54710	pH 4.01, pH 7.01, pH 10.01	500 mL (3)	•
HI54710-10	pH 4.01, pH 7.01, pH 10.01, HI70300L	500 mL (4)	•
HI54710-11	pH 4.01, pH 7.01, pH 10.01, HI70300L, HI7061L	500 mL (5)	•

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