HI5000 Series

# pH Technical Calibration Solutions

## Technical Solutions (±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 ±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).

## Easy to Use Single Dose Sachets

For the highest level of reliability of field instrumentation, technical solutions are available in convenient single dose sachets in 10 or 25 pack quantities.



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## 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 |
|---|---|---|
| 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 |
|---|---|---|
| 1.00 | **HI50001-02** | 20 mL (25) |
| 1.68 | **HI50016-01** | 20 mL (10) |
| 1.68 | **HI50016-02** | 20 mL (25) |
| 2.00 | **HI50002-02** | 20 mL (25) |
| 3.00 | **HI50003-02** | 20 mL (25) |
| 4.01 | **HI50004-01** | 20 mL (10) |
| 4.01 | **HI50004-02** | 20 mL (25) |
| 5.00 | **HI50005-02** | 20 mL (25) |
| 6.86 | **HI50068-02** | 20 mL (25) |
| 7.01 | **HI50007-01** | 20 mL (10) |
| 7.01 | **HI50007-02** | 20 mL (25) |
| 9.00 | **HI50009-02** | 20 mL (25) |
| 9.18 | **HI50091-02** | 20 mL (25) |
| 10.01 | **HI50010-01** | 20 mL (10) |
| 10.01 | **HI50010-02** | 20 mL (25) |
| 11.00 | **HI50011-02** | 20 mL (25) |
| 12.00 | **HI50012-01** | 20 mL (10) |
| 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 |
|---|---|---|
| **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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