Champ® is a rugged pH tester with replaceable electrode and renewable reference junction. The instrument can be calibrated at one point by the user, simply acting on the calibration trimmer.

Champ® is in compliance with the CE directives.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>Range</td>
<td>0.0 to 14.0 pH</td>
</tr>
<tr>
<td>Resolution</td>
<td>0.1 pH</td>
</tr>
<tr>
<td>Accuracy (@20°C/68°F)</td>
<td>±0.2 pH</td>
</tr>
<tr>
<td>Typical EMC Deviation</td>
<td>±0.1 pH</td>
</tr>
<tr>
<td>Calibration</td>
<td>Manual, 1 point</td>
</tr>
<tr>
<td>Environment</td>
<td>0 to 50°C (32 to 122°F), 95% RH</td>
</tr>
<tr>
<td>Battery Type</td>
<td>4 x 1.5V alkaline</td>
</tr>
<tr>
<td>Battery Life</td>
<td>approx. 800 hours of use</td>
</tr>
<tr>
<td>Dimensions</td>
<td>175 x 41 x 23 mm (7.9 x 1.8 x 1&quot;)</td>
</tr>
<tr>
<td>Weight</td>
<td>78 g (2.7 oz.)</td>
</tr>
</tbody>
</table>

**ACCESSORIES**

- HI 73106  
  Spare electrode
- HI 70004P  
  pH 4.01 solution (25 x 20 mL)
- HI 70007P  
  pH 7.01 solution (25 x 20 mL)
- HI 70010P  
  pH 10.01 solution (25 x 20 mL)
- HI 7004M   
  pH 4.01 solution, 230 mL bottle
- HI 7007M   
  pH 7.01 solution, 230 mL bottle
- HI 7010M   
  pH 10.01 solution, 230 mL
- HI 70300M  
  Storage solution, 230 mL bottle
- HI 7061M   
  Cleaning solution, 230 mL bottle
- HI 731326  
  Calibration screwdriver (20 pcs)
**CONDITIONING**

- Remove the cap.
- To activate the electrode, immerse it in HI70300 storage solution for 2 hours.

**CALIBRATION**

- Immerse the tester in a pH buffer solution (for example, HI 7007 pH 7.01 buffer).
- Allow the reading to stabilize and with the supplied screwdriver adjust the calibration trimmer to read "7.0" pH. The calibration is now complete.

**OPERATION**

- Remove the protective cap and turn the Champ® on, by sliding the ON/OFF switch on the top of the meter.
- Immerse it into the solution to be tested without exceeding the maximum immersion level.
- Stir gently and wait for the reading to stabilize.
- After use, switch the meter off, rinse the electrode with water and store it with a few drops of storage (HI70300) or pH 7 (HI7007) solution in the protective cap. Always replace the cap after use.

NEVER USE DISTILLED OR DEIONIZED WATER FOR STORAGE PURPOSES.

- Large differences in pH readings (±1 pH) could be due to lack of calibration or dry electrode.

**MAINTENANCE**

The sensor should be kept moist at all times. For this purpose, always keep wet the tissue inside the protective cap.

In case of erroneous readings even after an accurate conditioning and calibration, the reference junction might be contaminated or clogged.

Pull out 2 mm (1/8") of the cloth junction to renew the electrode reference (it is recommended to cut the cloth leaving always at least 2 mm -1/8" over the reference compartment) and recalibrate the meter.

The cloth junction can be pulled out approximately 20 times. After that, the electrode should be replaced.

**ELECTRODE REPLACEMENT**

For replacing the electrode contact your Dealer or the nearest Hanna Service Center.

**BATTERY REPLACEMENT**

When display fades the batteries must be replaced. Slide off the battery compartment cover and replace all four 1.5V alkaline batteries while paying attention to the correct polarity.

Batteries should only be replaced in a nonhazardous area using the battery type specified in this instruction manual.

**WARRANTY**

This meter is guaranteed for one year against defects in workmanship and materials when used for their intended purpose and maintained according to instructions. This warranty is limited to repair or replacement free of charge. Damages due to accident, misuse, tampering or lack of prescribed maintenance are not covered. If service is required, contact the dealer from whom you purchased the instrument. If under warranty, report the model number, date of purchase, serial number and the nature of the failure. If the repair is not covered by the warranty, you will be notified of the charges incurred. If the instrument is to be returned to Hanna Instruments, first obtain a Returned Goods Authorization Number from the Customer Service department and then send it with shipment costs prepaid. When shipping any instrument, make sure it is properly packaged for complete protection.