

*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.

*Champ*®  
**HI 98106**  
**Pocket-sized pH Meter**

**SPECIFICATIONS**

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

**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)



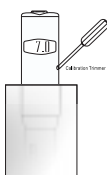
### CONDITIONING

- 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.

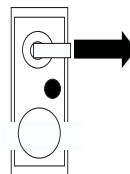
- Large differences in pH readings ( $\pm 1$  pH) could be due to lack of calibration or dry electrode.

### 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.



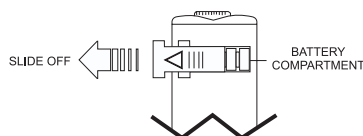
The cloth junction can be pulled out approximately 20 times. After that, the electrode should be replaced.

### 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.