



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for HANNA INSTRUMENTS HI 99104. You'll find the answers to all your questions on the HANNA INSTRUMENTS HI 99104 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

- User manual HANNA INSTRUMENTS HI 99104
- User guide HANNA INSTRUMENTS HI 99104
- Operating instructions HANNA INSTRUMENTS HI 99104
- Instructions for use HANNA INSTRUMENTS HI 99104
- Instruction manual HANNA INSTRUMENTS HI 99104

**HI 99104**

**OPERATION**

- Connect the electrode to the meter and remove the black protective cap. If necessary, rinse with water to remove salt deposits. If the electrode is dry, before making measurements, immerse in HI7000 storage solution for about 30 minutes (see note).
- Switch the meter ON (battery side below), then immerse the electrode tip (4cm<sup>2</sup> Ø) into the sample. Stir gently and wait until the display stabilizes.
- After use, always turn the meter OFF, rinse the electrode with water, clean it with HI7061 cleaning solution and store it with a few drops of storage (HI7000) solution in the black protective cap. **NEVER USE DISTILLED OR DEIONIZED WATER FOR STORING PURPOSES.**

**NOTE:** When the display fades, replace the batteries by opening the compartment on the meter top.

**CALIBRATION**

- A weekly calibration is recommended.
- Immerse the meter in pH7 buffer (HI7067), stir gently, allow the reading to stabilize and adjust the pH7 trimmer to read 7.01 pH.
- Rinse and immerse the electrode in pH4 (or pH10) buffer (HI7004 or HI9110), stir gently, allow the reading to stabilize and adjust the pH4/10 trimmer to read 4.01 (or 10.01) pH.
- When the meter does not calibrate, replace the electrode.

**SPECIFICATION**

Range	0.00 to 14.00 pH
Resolution	0.01 pH
Accuracy (typical, 25 °C)	±0.01 pH
Operating temperature	0 to 30 °C (32 to 86 °F)
Power supply	9V battery (not included)
	approx. 1000 hours

**Accessories**

- HI 9276 pH electrode with new electrode
- HI 7004P pH 4.01 buffer, 20 mL, 25 pcs.
- HI 7006P pH 7.01 buffer, 20 mL, 25 pcs.
- HI 7008P pH 10.01 buffer, 20 mL, 25 pcs.
- HI 7030M Storage solution, 200 mL, bottle
- HI 7061M Cleaning solution, 200 mL, bottle

**Warranty:** All HANNA Instruments meters are warranted for two years against defects in workmanship and materials when used for their intended purpose and maintained according to the instructions. Please refer to the user manual for more details. The warranty is an electrochemical or replacement for 6 months. Damage due to accidents, misuse, tampering or lack of prescribed maintenance are not covered. If a sensor is replaced, contact the dealer from whom you purchased the instrument. If a meter is repaired, report the model number, size of problem, serial number and the nature of the problem. If the repair is not covered by the warranty, you will be notified of the charges involved. For the International Service-Adjustment center (Hanna Instruments Ltd. or Hanna Instruments Service-Adjustment center) visit the Customer Service department and their local branch (please look for postal). When shipping any instrument, make sure the sample package is completely sealed.

For technical service references or for a complete list of available accessories, visit [www.hannainst.com](http://www.hannainst.com)



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**Manual abstract:**

*This warranty is limited to repair or replacement free of charge. Damage due to accidents, 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 problem. If the repair is not covered by the warranty, you will be notified of the charges incurred. @@@@If necessary, rinse with water to remove salt deposits. @@@@Stir gently and wait until the display stabilizes. @@NEVER USE DISTILLED OR DEIONIZED WATER FOR STORING PURPOSES. @@CALIBRATION · A weekly calibration is recommended. @@@@ · When the meter does not calibrate, replace the electrode.*

*SPECIFICATION Range 0.00 to 14.00 pH Resolution 0.01 pH Accuracy (@20°C/68°F) ±0.2 pH Environment 0 to 50°C (32 to 122°F); RH 95% non-condensing Power supply 2x1.*

*5V (LR44) batteries; approx. 1000 hours Accessories · HI 1270 pH electrode w/screw connector · HI 70004P pH 4.01 buffer, 20 mL, 25 pcs. · HI 70007P pH 7.01 buffer, 20 mL, 25 pcs.*

*· HI 70010P pH 10.01 buffer, 20 mL, 25 pcs. .*



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