

Care and Maintenance

To obtain the highest accuracy for measurements it is important to follow these tips:

- Calibration is only as good as the buffer being used. The pH buffer values change over time once the sachets are opened. Fresh buffer should be used for each calibration.
- The probe should be rinsed with purified water each time before placing in buffer or sample to be tested.
- When the meter is not in use it is important to add several drops of storage solution to the protective cap to keep the probe hydrated. If storage solution is not available, pH 3.00 or pH 7.01 buffer can be used.
- For improved accuracy it is recommended to calibrate in two buffers.
- It is important to calibrate and measure samples at the same temperature. A dramatic change in temperature between buffer solutions and samples to be tested will give inaccurate readings.
- If fouled, clean the electrode by soaking in cleaning solution for 20 minutes, then rinse the tip and soak in storage solution at least 30 minutes before use. Recalibrate after each cleaning.
- If the fill solution (electrolyte) is less than the minimum fill level, it must be refilled.
- With the electrode upside-down, rotate the PE sleeve while moving it down to expose the fill hole. Turn the electrode right-side up and carefully shake out remaining electrolyte fill solution through fill hole.
- With the electrode upside-down and fill hole exposed, add fresh HI9070 electrolyte solution with the supplied pipette (Fig. 1).
- Rotate the PE sleeve while moving it back over the fill hole.



Fig. 1

Warranty

The meter is warranted for a period of 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. Damage due to accidents, misuse, tampering or lack of prescribed maintenance is not covered. If service is required, contact your local Hanna Instruments Office. 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 the instrument is to be returned to Hanna Instruments, first obtain a Returned Goods Authorization (RGA) number from the Technical Service department and then send it with shipping costs prepaid. When shipping any instrument, make sure it is properly packaged for complete protection.

Recommendations for Users

Before using this product, make sure it is entirely suitable for your specific application and for the environment in which it is used. Any variation introduced by the user to the supplied equipment may degrade the meters' performance. For yours and the meter's safety do not use or store the meter in hazardous environments.

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Auto-off



Clear Calibration



"Err" Message



Battery Indicator



Certification

All Hanna Instruments conform to the CE European Directives.

Disposal of Electrical & Electronic Equipment. The product should not be treated as household waste. Instead hand it over to the appropriate collection point for the recycling of electrical and electronic equipment which will conserve natural resources.

Disposal of waste batteries. This product contains batteries, do not dispose of them with other household waste. Hand them over to the appropriate collection point for recycling.

Ensuring proper product and battery disposal prevents potential negative consequences for the environment and human health. For more information, contact your city, your local household waste disposal service, the place of purchase or go to www.hannainst.com.

From measurement mode, press and hold the ON/OFF button. The meter will cycle through "OFF," "CAL," then current auto-off setting.

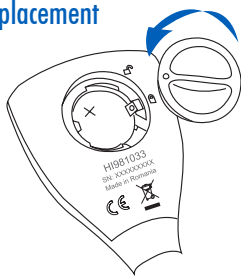
The default setting is 8 minutes ("d08"). Press ON/OFF button to change. "d60" is auto-off after 60 minutes, and "d--" disables the auto-off feature. Press and hold the button to exit the menu.

Place meter in calibration mode. Press and hold ON/OFF until "CLr" is displayed. The meter will now be at default calibration.

In calibration mode, if the meter displays an "Err" message when in the correct fresh buffer solution then the probe should be cleaned. Place the probe in the cleaning solution for 20 minutes. Rinse with purified water and place in storage solution for a minimum of 30 minutes before calibrating.

The meter features a low battery indicator. When the battery is running low, the tag will blink on screen. When the battery has been depleted, "Erb" will appear on screen and the meter will turn off.

Battery Replacement



To change the CR2032 Li-ion battery, turn the battery cover located on the back of the meter counterclockwise to unlock. Remove cover and replace the battery with + side facing up.

Note: Batteries should only be replaced in a safe area using the battery type specified in this instruction manual. Old batteries should be disposed in accordance with local regulations.

Accessories

pH Buffer Solution

Code	Description
HI50003-02	pH 3.00 buffer solution, 20 mL sachets (25 pcs.)
HI70007P	pH 7.01 buffer solution, 20 mL sachets (25 pcs.)

Electrode Cleaning Solution

Code	Description
HI700601P	General purpose cleaning solution, 20 mL sachets (25 pcs.)
HI700635P	Cleaning solution for wine deposits, 20 mL sachets (25 pcs.)
HI700636P	Cleaning solution for wine stains, 20 mL sachets (25 pcs.)

Electrode Storage Solution

Code	Description
HI70300L	Electrode storage solution, 500 mL bottle
HI70300M	Electrode storage solution, 230 mL bottle
HI9072	Electrode storage solution, 13 mL dropper

Electrode Fill Solution

Code	Description
HI9070	Electrolyte fill solution, 3.5M KCl + AgCl
HI740155P	Electrode refilling pipettes (20 pcs.)

INSTRUCTION MANUAL

Foodcare

HI981033

Wine pH Tester



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Meter will exit to measurement mode.