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› YINMIK YK-P01 Digital pH Meter Instruction Manual

YINMIK YK-P01

YINMIK YK-P01 Digital pH Meter Instruction Manual

Model: YK-P01

PRODUCT OVERVIEW

The YINMIK YK-P01 is a precise digital pH meter designed for accurate measurement of pH and temperature in various liquids. It features a large horizontal display for simultaneous reading of pH and temperature, ensuring ease of use and comfort during operation. Equipped with an efficient Automatic Temperature Compensation (ATC) sensor, the YK-P01 provides reliable and fast results across different temperature conditions.





Image: The YINMIK YK-P01 Digital pH Meter with its protective cap removed, showing the display and control buttons. The meter is white with a green top and display.

Key Features:

- **Large Horizontal Screen:** Simultaneous display of pH and temperature for easy reading.
- **Accurate ATC:** Built-in stainless steel temperature sensor for effective Automatic Temperature Compensation, ensuring precise results.
- **Easy 3-Point Calibration:** Supports automatic calibration at pH 4.00, 7.00, and 10.01.
- **Hold Function:** The HOLD/TEMP button allows for reading lock, preventing values from disappearing when the meter is removed from the solution.
- **Backlight Display:** Enables use in low-light environments.
- **Wide Application:** Suitable for hydroponics, aquariums, brewing, pools, spas, and various water testing needs.

PACKAGE CONTENTS

Please check the package contents upon receipt to ensure all items are present:

- 1 x YINMIK YK-P01 Digital pH Meter

- 3 x LR44 Button Cell Batteries (pre-installed or included separately)
- 3 x pH Calibration Buffer Powders (pH 4.00, pH 7.00, pH 10.01)
- 1 x Instruction Manual



Image: An exploded view of the YINMIK YK-P01 pH meter showing its internal battery compartment for LR44 button cells, the LCD backlight, ON/OFF switch, HOLD/TEMP button, CAL button, glass pH probe, and protective cap.

SETUP

Battery Installation:

1. If batteries are not pre-installed, locate the battery compartment at the top of the meter.
2. Slide open the battery case.
3. Insert 3 LR44 button cell batteries, ensuring correct polarity (+/-).
4. Close the battery case securely.

Initial Preparation:

1. Remove the protective cap from the bottom of the pH meter.
2. Rinse the electrode with distilled water before first use.
3. Gently blot dry with a clean tissue. Do not rub.

OPERATING INSTRUCTIONS

Taking a Measurement:

1. Press the **ON/OFF** button to turn on the meter. The backlight will illuminate.
2. Immerse the electrode into the solution to be tested. Ensure the electrode is fully submerged.
3. Gently stir the solution and wait for the reading to stabilize. The display will show both pH and temperature.
4. To hold the reading on the screen, short press the **HOLD/TEMP** button. The reading will be locked. Press again to release.
5. To switch between Celsius (°C) and Fahrenheit (°F) temperature units, long press the **HOLD/TEMP** button.
6. After use, press the **ON/OFF** button to turn off the meter.
7. Rinse the electrode with distilled water and replace the protective cap.

Large Horizontal Screen Display

No need to convert, comfortably read your testing



pH&°F



pH&°C



Memorize Mode



HOLD Data



Accurate ATC

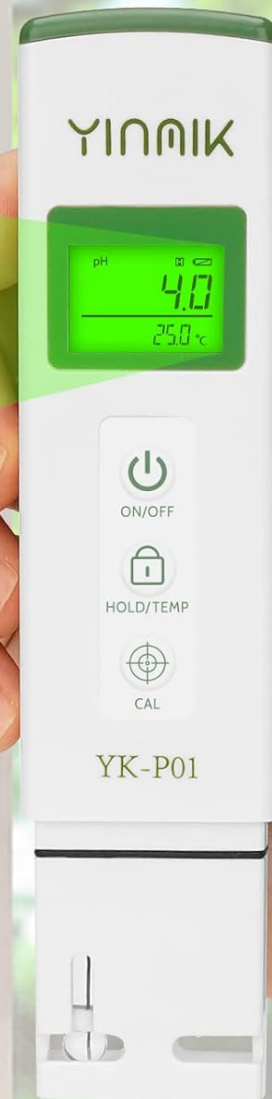


Image: A close-up of the YINMIK YK-P01's large horizontal screen display, showing pH readings (e.g., 4.0) and temperature in both Fahrenheit and Celsius, illustrating the simultaneous display capability.

CALIBRATION

Regular calibration ensures the accuracy of your pH meter. The YK-P01 supports 3-point automatic calibration.

Preparation of Calibration Solutions:

- Dissolve each pH buffer powder (4.00, 7.00, 10.01) in 250ml of distilled water to create the calibration solutions.
- Store solutions in clean, airtight containers.

Calibration Procedure:

1. Turn on the pH meter.
2. Rinse the electrode with distilled water and blot dry.
3. Immerse the electrode into the pH 7.00 buffer solution.

4. Long press the **CAL** button for 5 seconds until the display shows "CAL" and then "7.00". The meter will automatically recognize the buffer and begin calibration.
5. Wait for the reading to stabilize and for the display to show "END" or a stable pH 7.00 reading, indicating successful calibration.
6. Rinse the electrode with distilled water.
7. Next, immerse the electrode into the pH 4.00 buffer solution.
8. Long press the **CAL** button again. The meter will automatically recognize the buffer and calibrate to 4.00.
9. Wait for stabilization.
10. Rinse the electrode with distilled water.
11. Finally, immerse the electrode into the pH 10.01 buffer solution.
12. Long press the **CAL** button. The meter will automatically recognize the buffer and calibrate to 10.01.
13. Wait for stabilization.
14. After completing all three points, rinse the electrode with distilled water and replace the protective cap.

Note: Calibration should be performed regularly, especially if the meter is used frequently, if readings are inconsistent, or after prolonged storage.

APPLICATIONS

The YINMIK YK-P01 Digital pH Meter is versatile and suitable for a wide range of applications, including but not limited to:

- **Hydroponics & Aquaponics:** Monitoring nutrient solutions for optimal plant growth.
- **Aquariums & Koi Ponds:** Maintaining ideal water conditions for aquatic life.
- **Brewing (Beer & Wine):** Checking mash pH for consistent fermentation.
- **Pools & Spas:** Ensuring balanced water chemistry for safety and comfort.
- **Drinking Water:** Testing well water, tap water, and other beverages.
- **Laboratory & Educational Use:** General pH testing in various settings.



- Hydroponics
- Aeroponic
- Aquaponics
- DWC

Image: The YINMIK YK-P01 pH meter being used to test the pH of a nutrient solution in a hydroponic setup with young plants.

- Aquariums
- Freshwater Tank
- Kio ponds
- Seawater Tank



Image: The YINMIK YK-P01 pH meter being used to test the water in a home aquarium with fish and aquatic plants.

BREWING WINE&BEER

Get a decent idea of your mash pH



Image: The YINMIK YK-P01 pH meter placed next to a bottle of wine and glasses, indicating its use in brewing and winemaking.

MAINTENANCE

Electrode Care:

- Always rinse the electrode with distilled water before and after each use.
- Do not touch the glass bulb of the electrode, as oils from your skin can affect accuracy.
- If the electrode becomes dry, soak it in distilled water or a pH 7.00 buffer solution for at least 30 minutes before use.

Storage:

- Always replace the protective cap after use to keep the electrode moist.
- Store the meter in a cool, dry place, away from direct sunlight and extreme temperatures.

Battery Replacement:

- When the display becomes dim or the meter does not turn on, it's time to replace the batteries.

- Follow the battery installation steps in the "Setup" section.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Inaccurate or fluctuating readings	Need for calibration Dirty electrode Dry electrode Temperature not stable	Perform 3-point calibration. Rinse electrode thoroughly with distilled water. Soak electrode in pH 7.00 buffer or distilled water for 30 mins. Allow solution temperature to stabilize before testing.
Meter does not turn on	Dead batteries Incorrect battery installation	Replace batteries. Check battery polarity and ensure they are seated correctly.
Display is dim or flickering	Low battery power	Replace batteries.

SPECIFICATIONS

Model:	YK-P01
Measurement Range:	pH: 0.00 - 14.00 pH
Accuracy:	pH: ± 0.01 pH
Resolution:	pH: 0.01 pH
Temperature Range:	0.1 - 60.0°C (32.0 - 140.0°F)
Temperature Compensation:	Automatic Temperature Compensation (ATC)
Calibration:	3-point automatic calibration (4.00, 7.00, 10.01 pH)
Power Supply:	3 x 1.5V LR44 Button Cell Batteries
Manufacturer:	JiNan Huiquan Electronic Co.,Ltd.

WARRANTY AND SUPPORT

For warranty information or technical support, please contact the seller or manufacturer directly. Keep your purchase receipt as proof of purchase.

For further assistance, you may visit the YINMIK store on Amazon or refer to the contact information provided with your product packaging.