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> YINMIK YK-T5AEU 5-in-1 Water Quality Tester User Manual

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YINMIK YK-T5AEU 5-in-1 Water Quality Tester User Manual

Model: YK-T5AEU | Brand: YINMIK

INTRODUCTION

The YINMIK YK-T5AEU is a versatile 5-in-1 water quality tester designed for precise measurement of pH, Electrical Conductivity (EC), Total Dissolved Solids (TDS), Salinity, and Temperature. This device provides simultaneous readings, making it an essential tool for maintaining optimal water conditions in various applications, including swimming pools, spas, aquariums, hydroponic systems, brewing, and drinking water analysis.

PRODUCT OVERVIEW

What's Included

- YINMIK YK-T5AEU Water Quality Tester
- User Manual
- pH Calibration Solutions (3 bottles)

Key Features

- **5-in-1 Functionality:** Measures pH, EC, TDS, Salinity, and Temperature.
- **Simultaneous Display:** All relevant parameters are shown on the screen at once.
- **Wide Application:** Suitable for pools, aquariums, hydroponics, brewing, and drinking water.
- **Pre-calibrated:** EC/TDS/Salinity functions are pre-calibrated from the factory.
- **Replaceable Electrode:** Ensures long-term usability and easy maintenance.

Testeur de Qualité de l'eau Professionnel 5 en 1

Affichage Simultané
pH EC PPM Sel Température



Affichage Simultané



Solution d'étalonnage du pH



Électrode de Nouvelle Technologie



The YINMIK YK-T5AEU tester provides simultaneous readings for multiple parameters, simplifying water quality monitoring.

SETUP AND CALIBRATION

The EC/TDS/Salinity functions of your YINMIK YK-T5AEU tester are pre-calibrated at the factory and can be used directly. However, pH calibration is required for accurate measurements.

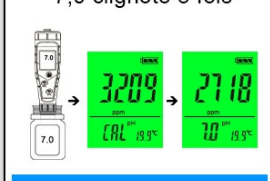
pH Calibration

1. Prepare the pH 7.00 calibration solution.
2. Clean the electrode with distilled water and dry it gently.
3. Immerse the electrode into the pH 7.00 solution.
4. Press and hold the "pH CAL" button for 5 seconds. The display will show "CAL" and "7.00" will flash three times.
5. Wait for the reading to stabilize. The calibration for pH 7.00 is complete.
6. Repeat the process for pH 4.00 and pH 10.01 solutions if higher accuracy across the range is desired.

Calibration Frequency: For precision of +/-0.1pH, calibrate once per week. For precision of 0.2-0.3pH, calibrate once per month.

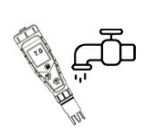
01

Mettez le liquide d'étalonnage 7,00, appuyez sur pH CAL pendant 5 s. CAL clignote, 7,0 clignote 3 fois






02

Nettoyez l'électrode et essuyez-la



4,00 et 10,01 fonctionnent de la même manière que les points 7,00

-  Exigence de précision +/-0,1pH, calibrer une fois par semaine
-  Exigence de précision (0,2-0,3 pH), étalonner une fois par mois
-  Ajoutez régulièrement du liquide de protection des électrodes (solution KCL) dans le couvercle. S'il n'y a pas de liquide de protection des électrodes, ajoutez trois gouttes d'eau

Follow these steps for accurate pH calibration using the provided buffer solutions.

EC/TDS/Salinity Calibration

The EC/TDS/Salinity functions are pre-calibrated at the factory. If recalibration is needed, follow these steps:

1. Add the 1413 $\mu\text{S}/\text{cm}$ calibration solution. Wait for the value to stabilize.
2. Press and hold the "EC CAL" button for 5 seconds, then release. A value will flash on the screen.
3. Use the up and down arrows to adjust the value to 1413.
4. The "1413" will flash three times, indicating calibration is complete.
5. Clean the electrode and dry it.

Note: 5000 $\mu\text{S}/\text{cm}$ and 12.88 mS/cm solutions follow the same calibration steps. For drinking water, no calibration is typically required. For pool water, calibrate once every 2-3 months.



EC calibration steps using a 1413 $\mu\text{S}/\text{cm}$ solution.

OPERATING INSTRUCTIONS

General Usage

To use the tester, simply immerse the electrode into the water sample. The device will automatically display the pH, EC, TDS, Salinity, and Temperature readings simultaneously on the screen. No need to switch modes to view different parameters.

Un clic pour obtenir tous les tests dont vous avez besoin

Seleccione el modo según sus necesidades, sin necesidad de cambiar



The tester displays all necessary measurements with a single click, eliminating the need for mode switching.

Specific Applications

Pools and Spas

Regularly monitor the pH and salinity levels of your pool or spa water. Ideal pH for pools is typically 7.2-7.8, and ideal salinity (for saltwater pools) is 1700-2400 ppm. Temperatures between 25.5-28.8°C are generally recommended. High salinity levels (above 4500 ppm) can damage salt chlorine generators.



pH idéal : 7,2-7,8pH

ppm idéal : 1700-2400 ppm

Ideal Temperature: 25.5-28.8°C



Affiche Simultanément la Temp du pH du Sel de la Piscine

Measure pH, salinity, and temperature simultaneously for optimal pool water conditions.

Aquariums (Freshwater and Saltwater)

Maintain stable pH and salinity (for saltwater aquariums) to ensure the health of aquatic life. The TDS meter can also help assess the efficiency of your filtration system; high TDS in pumped water may indicate a need for filter replacement.

Poissons d'eau douce



Récifal d'eau Salée



**Mesurez le pH et les ppm
de l'eau de vos poissons bien-aimés**

Monitor pH and PPM in freshwater and saltwater aquariums to support aquatic ecosystems.

Hydroponics

Accurate pH and EC measurements are crucial for nutrient uptake in hydroponic systems. This tester allows for easy monitoring of these parameters to ensure plants receive the necessary nutrients for growth.



The tester is ideal for monitoring pH and EC in various hydroponic techniques.

Drinking Water

Use the TDS function to check the quality of your drinking water, including tap water, filtered water, well water, and bottled water. TDS values can indicate the effectiveness of water filters; high TDS may suggest a filter needs replacement.

Testeur de pH TDS pour l'eau



Test pH and TDS levels in different drinking water sources to ensure quality.

Brewing and Fermentation

For brewing beer, the pH of your mash affects enzyme activity, which is vital for converting starches to fermentable sugars. For kombucha, maintaining a pH range of 2.5 to 3.5 is key for optimal flavor. When pickling vegetables, the tester helps prepare the fermentation brine.

MAINTENANCE

Electrode Cleaning

Regularly clean the EC electrode probe with a cotton swab to prevent residue buildup and ensure accurate readings.

Storage

To maintain the electrode's longevity, add a few drops of electrode protection liquid (KCL solution) to the cap. If KCL solution is unavailable, three drops of water can be used as a temporary measure.

TROUBLESHOOTING

If you experience inaccurate readings or device malfunction, consider the following:

- **Inaccurate pH Readings:** Recalibrate the pH function using fresh buffer solutions. Ensure the electrode is clean.
- **Unstable Readings:** Ensure the electrode is fully immersed and the water sample is still. Clean the electrode if necessary.
- **No Display/Power Issues:** Check battery levels. Replace batteries if low.
- **General Malfunction:** Refer to the warranty and support section for assistance.

SPECIFICATIONS

Brand	YINMIK
Model Number	YK-T5AEU
pH Range	1.0-13.0
Weight	420 Grams
Components Included	pH Tester, User Manual, pH Calibration Liquids
Country of Origin	China

WARRANTY AND SUPPORT

YINMIK is committed to customer satisfaction. Your YK-T5AEU tester comes with a **90-day free replacement** policy for any product defects. For any questions or concerns, our customer service team aims to respond within **12 hours**. All corresponding accessories for this pH and salinity tester, including pH calibration powder, pH and EC calibration liquid, and replacement probes, can be found in the YINMIK store.



Equipé de toutes les pièces de rechange dans les magasins YINMIK

Ne vous inquiétez pas de l'utilisation future

Service après-vente sans souci

Remplacement gratuit pendant 90 jours

Réponse aux questions 24h/24

YINMIK offers comprehensive after-sales service and readily available spare parts.