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› YINMIK pH Calibration Solution Kit (4.00, 7.00, 10.01) with KCL pH Probe Storage Solution Instruction Manual

YINMIK YK-11EU

YINMIK pH Calibration Solution Kit (4.00, 7.00, 10.01) with KCL pH Probe Storage Solution - Instruction Manual

INTRODUCTION

This instruction manual provides essential information for the proper use and maintenance of your YINMIK pH Calibration Solution Kit. This kit includes pH calibration solutions (4.00, 7.00, 10.01) and KCL pH electrode storage solution, designed to ensure accurate pH measurements and prolong the life of your pH meter's electrode.

PRODUCT COMPONENTS

The YINMIK pH Calibration Solution Kit contains the following items:

- 3 x 50 ml bottles of pH Calibration Solution (4.00, 7.00, 10.01)
- 2 x 10 ml bottles of KCL pH Electrode Storage Solution



**POUR CALIBRER
TOUT PH-MÈTRE**



**FABRIQUÉ À PARTIR
DE MATÉRIAUX DE
LA PLUS HAUTE
QUALITÉ**



**UN RAPPORT
QUALITÉ-PRIX
ÉNORME**



**DURÉE DE
CONSERVATION
NON
DÉGRADANTE**

CARACTÉRISTIQUES

Pour Calibrer tous les pH-mètres
Haute Précision
Qualité Laboratoire



Image: The YINMIK pH Calibration Solution Kit, showing the three calibration solutions (pH 4.00, pH 7.00, pH 10.01) and two bottles of KCL pH electrode storage solution.

SETUP

Before using the calibration solutions, ensure your pH meter is clean and functioning correctly. Prepare the solutions as follows:

1. **Unpack:** Carefully remove the calibration solution bottles and KCL storage solution bottles from their packaging.
2. **Temperature Acclimation:** Allow the solutions to reach room temperature (approximately 25°C / 77°F) before use. This ensures optimal accuracy during calibration.
3. **Inspect:** Check each bottle for any signs of leakage or damage. Ensure the seals are intact for unopened bottles.

Kit de Solutions d'étalonnage du pH

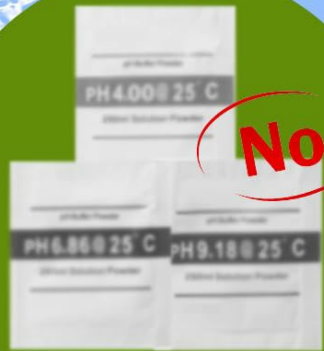
Des **Avantages** à Connaître !

- 1) Liquide en bouteille avec une bonne étanchéité ;
- 2) Facile à utiliser, il suffit d'ouvrir le couvercle;
- 3) Liquide coloré, identification facile;
- 4) Niveau laboratoire, précision supérieure;
- 5) Facile à ranger, respectueux de l'environnement.



V

S



- 1) Petite capacité, ne peut pas être réutilisé
- 2) La préparation de la solution ; d'étalonnage est fastidieuse ;
- 3) Facilement pollué, mauvaise précision ;
- 4) Le sac n'est pas écologique.

Image: A visual comparison highlighting the advantages of YINMIK's pre-mixed liquid calibration solutions over powder packets, emphasizing ease of use and sealed packaging.

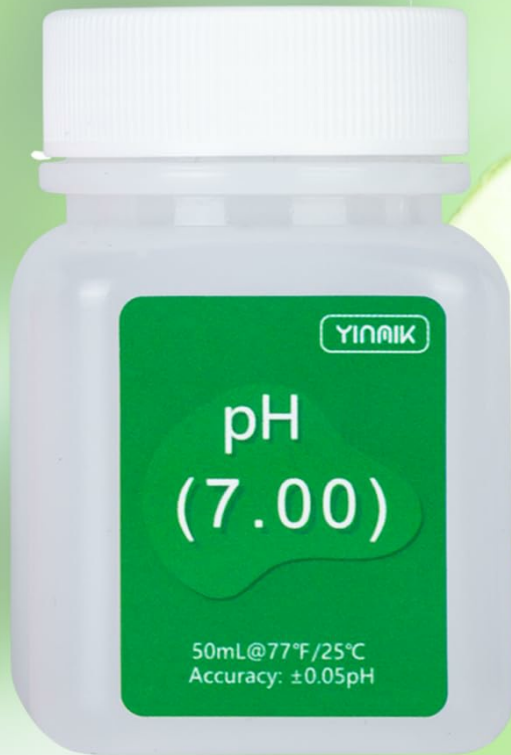
OPERATING INSTRUCTIONS

pH Meter Calibration

To ensure accurate readings from your pH meter, regular calibration is essential. Follow these steps for a precise calibration process:

1. **Prepare the pH Meter:** Turn on your pH meter. If your meter requires a warm-up period, allow it to complete.
2. **Rinse the Electrode:** Rinse the pH electrode thoroughly with distilled or deionized water. Gently blot dry with a clean, lint-free tissue. Do not rub the electrode.
3. **Calibrate with pH 7.00 Solution:**

Solution d'étalonnage du pH YINMIK 7,00



Étalonnage pour:

- ✓ Sondes pH
- ✓ pH Meters
- ✓ Testeur de pH

Application:



-  Solution Hydroponique
-  Aquariums
-  Hydroponique
-  Aquaponie
-  Piscines
-  Eau Potable

Image: A bottle of YINMIK pH 7.00 calibration solution, indicating its use for pH probes, meters, and testers in various applications like hydroponics, aquariums, and pools.

Open the pH 7.00 calibration solution bottle. Immerse the pH electrode into the solution, ensuring the bulb is fully submerged. Gently stir and wait for the reading on your pH meter to stabilize. Once stable, adjust your pH meter to read 7.00 according to its specific calibration procedure.

4. **Rinse Again:** After calibrating with pH 7.00, rinse the electrode again with distilled or deionized water.
5. **Calibrate with pH 4.00 Solution:**

Solution de Stockage de Sonde YINMIK

Pour le stockage en toute sécurité des
pH-mètres et des sondes pH



Utiliser pour prolonger la durée de
vie des sondes pH et du pH-mètre

GIVEAWAY



Image: A bottle of YINMIK pH 4.00 calibration solution, suitable for calibrating pH probes, meters, and testers across applications such as hydroponic solutions, aquariums, and drinking water.

Open the pH 4.00 calibration solution bottle. Immerse the pH electrode into the solution. Wait for the reading to stabilize and then adjust your pH meter to read 4.00.

6. (Optional) Calibrate with pH 10.01 Solution:

Solution d'étalonnage du pH YINMIK 10,01



Étalonnage pour:

- ✓ Sondes pH
- ✓ pH Meters
- ✓ Testeur de pH

Application:







-  Solution Hydroponique
-  Aquariums
-  Hydroponique
-  Aquaponie
-  Piscines
-  Eau Potable

Image: A bottle of YINMIK pH 10.01 calibration solution, used for calibrating pH probes, meters, and testers in various settings including hydroponics, aquariums, and pools.

If your application requires high pH measurements, rinse the electrode and then immerse it in the pH 10.01 solution. Wait for stabilization and adjust your pH meter to read 10.01.

7. **Final Rinse:** After completing calibration, rinse the electrode thoroughly with distilled or deionized water before taking measurements or storing.

pH Electrode Storage Solution Usage

The KCL pH electrode storage solution is crucial for maintaining the sensitivity and extending the lifespan of your pH meter's electrode. Proper storage prevents the electrode from drying out and becoming damaged.

Solution d'étalonnage du pH YINMIK 4,00



Étalonnage pour:

- ✓ Sondes pH
- ✓ pH Meters
- ✓ Testeur de pH

Application:







-  Solution Hydroponique
-  Aquariums
-  Hydroponique
-  Aquaponie
-  Piscines
-  Eau Potable

Image: Two bottles of YINMIK KCL pH Electrode Storage Solution, designed for safe storage and to prolong the life of pH meters and probes.

1. **After Use:** Always rinse your pH electrode with distilled or deionized water after each use.
2. **Storage:** Fill the protective cap of your pH meter with a small amount of KCL pH electrode storage solution. Ensure the electrode bulb is fully immersed in the solution when the cap is replaced.
3. **Long-Term Storage:** For extended periods of non-use, ensure the electrode is stored in the KCL solution to prevent dehydration and maintain its responsiveness.

MAINTENANCE

- **Solution Storage:** Store all calibration and storage solutions in their original, tightly sealed bottles in a cool, dry place away from direct sunlight.
- **Expiration:** Unopened bottles have a shelf life of 2 years from the manufacturing date. Once opened, it is recommended to use the solutions within 3-6 months for optimal accuracy, especially for calibration solutions.
- **Electrode Care:** Regularly clean your pH electrode according to your pH meter's instructions. Always store the

electrode in KCL storage solution when not in use.

- **Contamination:** Avoid cross-contamination between different pH solutions. Never pour used solution back into the original bottle.

TROUBLESHOOTING

If you encounter issues during calibration or with your pH readings, consider the following:

- **Inaccurate Readings:**

- Ensure the pH electrode is clean and free from residue.
- Verify that the calibration solutions are not expired or contaminated.
- Check if the pH meter itself is functioning correctly and its batteries are charged.
- Ensure the solutions have reached the correct temperature (25°C / 77°F) before calibration.

- **Calibration Failure:**

- Repeat the calibration process carefully, following all steps.
- If the electrode has been dry, soak it in KCL storage solution for several hours before attempting calibration again.
- Consider replacing the pH electrode if it is old or damaged.

SPECIFICATIONS

Product Model Number	YK-11EU
Included Components	3 x 50 ml pH Calibration Solutions (4.00, 7.00, 10.01), 2 x 10 ml KCL pH Electrode Storage Solutions
Calibration Solution Volume	50 ml per bottle
Storage Solution Volume	10 ml per bottle
Measurement Accuracy	±0.05 pH at 25°C (77°F)
Shelf Life (Unopened)	2 years from manufacturing date
Package Dimensions	16.6 x 7 x 4.7 cm
Package Weight	280 grams
Manufacturer	JiNan Huiquan Electronic Co.,Ltd
Batteries Required	No

WARRANTY AND SUPPORT

Specific warranty information for this product is not provided in the available documentation. For support or warranty inquiries, please refer to the retailer or manufacturer's official website.

