pH-875 手持型 酸鹼度計
中文使用手冊

感謝您使用本公司的產品，在您使用之前，請詳細閱讀本使用說明書，以便讓您有更好的使用體驗。

泰菱有限公司
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量測範圍	**pH**	0.00 ~ 14.00 pH
	溫度	0 ~ 50 °C
	EC	0 ~1999 µs/cm 0 ~19.99 mS/cm
	TDS	0 ~1999 ppm 0 ~19.99 ppt
解析度		pH 0.01 / EC:1µs / TDS:1ppm / 溫度:0.1 °C
精確度	**pH**	± 0.05 pH
	溫度	± 1 °C
	EC	±2% F.S
	TDS	±2% F.S
溫度補償		0 ~ 50 °C
電池		1.5V 鈕扣電池 (AG13) X 3
外觀		188 x 35 x 35mm
重量		98g

介紹：

pH-875 為多項水質量測儀，能檢測水中酸鹼值及電導。

使用步驟：

1. 取下儀器前端保護蓋，並開起電源。
2. 使用蒸餾水或清水清潔電極頭，再使用濾紙擦拭乾淨極頭上水珠。
3. 輕輕晃動儀器，待示值穩定後讀取測量值。
4. 輕按“TEMP”鍵，進行攝氏度和華氏度的切換顯示。
5. 在EC (TDS) 模式下，長按鍵（約5秒鐘），切換示檔位，依次是 ms / us / ppt / ppm 。
6. 使用完畢請關掉電源，並用清水清洗電極，套上保護套。

HOLD：

數值鎖定，顯示的數值將不再變動。

TEMP/CAL：

快速輕按可變更溫度單位。
長按約 5 秒可進入校準模式，自動判斷校準液體酸鹼值。

電源開關

溫度單位切換：

如需要變更 攝氏(°C) 或 華氏(°F) 溫度單位，可在電源開啟時，輕按下 [TEMP/CAL] 按鈕，酸鹼度計將會變換溫度單位。

校準pH：

1. 打開保護蓋並使用餾水或清水清潔電極頭。
2. 清潔後需拭乾電極。
3. 開啟電源，並將標準液 6.89 倒入適當的量至量杯中。
4. 將酸鹼度計的電極完全浸泡在標準液體中。
5. 當液晶顯示幕上的數值穩定後，如偏離數值 6.89 超過 ±0.05 pH 數值時，長按 [TEMP/CAL] 按鈕約 5秒，待畫面顯示 “686”數字。
6. 放開 [TEMP/CAL] 按鈕後，畫面顯示 6.86 數值表示完成中性校準。

7. 再次清潔電極，並準備標準液 pH 4.00 或 pH 9.18 ，選其一種倒入至新的乾淨量杯中。
8. 重複步驟 4 ~ 6 ，確認酸鹼度計所量測的值符合標準液，誤差應在 0.02 內。
9. 完成校準。

校準EC：

1. 將電極放置到蒸餾水中清潔。
2. 開啟電源後長案[MODE] 進入EC量測。
3. 將電極插入12.88mS/cm 標準液中。
4. 等待數值穩定，如數值穩定後不為12.88mS/cm，可用小一字鉗調整。
5. 在次清潔電極，接著插入 1.43mS/cm液中。
6. 待數值穩定後，確認誤差2%範圍內。如在規格外，請更換電擊頭。
7. 清潔電極後可開始使用。

校準條件與應注意事項：

* 長時間未使用儀器，使用前須先校準。
* 如經常量測，則每日使用前校準。
* 應避免重複使用同一瓶校準液，這樣會造成標準液污染，使酸鹼值不準確。
* 量測高濃度酸鹼液體時，會使電極頭老化加劇，如校準後仍有過大誤差，則需更換電極頭。
* 當電池電量偏低時，將造成量測誤差，應定期更換電池。
* 本儀器不適合用於油墨、具有黏著性的液體。
* 存放本儀器時，應避免陽光直曬或過於潮濕環境。
* **鈕扣電池請勿做一般垃圾丟棄。**

電池更換：

1. 打開儀器底端電池蓋。
2. 裝入鈕扣電池，需注意該電池正極為平面端，負極為凸出端。
3. 儀器彈簧端為負極。

更換電極：

1. 確認關閉電源。
2. 卸除保護蓋與防水環後，可拔出電極頭。
3. 安裝新電極時，請注意插孔處接點有對齊好。
4. 接上新電極後，裝回防水環。
5. 校正新電極是否準確。

使用注意事項與免責說明：

- 請您了解，在任何使用情況下，泰菱公司或其經銷商都不會為量測數值或結果負責，不論是直接或間接的。
- 本儀器主要適用於工業及一般液體量測，請勿用於需高保護措施的環境。
- 請勿將本儀器放在孩童容易拿取的地方，避免造成使用意外，或發生額外的風險。
- 任何情況下，請勿改變本儀器的電路，或自行變更電力輸入方式。
- 當儀器發生故障，或者您覺得有問題時，請送到經銷商或泰菱公司維修，請勿自行嘗試調整或維修。
- 本說明書或手冊，可能與設備實際操作出現差異，這可能是說明版本尚未變更，請到泰菱公司網站或來電索取新的說明書資訊。
- 當儀器有液體滲入或發現內有異物時，請勿繼續使用，也不建議您自行排除液體或異物。
- 泰菱公司有權對產品故障問題做出判斷，並針對送修的產品，決定以維修方式或更換設備來處理。

保養與清潔：

- 請勿使用有機溶劑，或烈性清潔劑擦拭儀器，避免液體滲入造成損壞，或使儀器表面樹脂材料劣化。
- 電極頭極為脆弱，請勿接觸擦拭電極！如量測液體為油性，請勿使用本儀器量測。
- 請勿將儀器放置在陽光下，或過於潮濕的環境，避免電路因受潮損壞，或是高溫造成保護材料劣化。
- 本儀器採用乾式保存，收納前請將電極頭擦拭乾淨，再將保護蓋闔上。

pH-875 pH Meter
User Manual

Thank you for choosing our product. Before using it, please read this user manual carefully to ensure a better user experience.

Tel：886+2-2218-3111
URL：www.tecpel.com.tw

Range	**pH**	0.00 ~ 14.00 pH
	Temp	0 ~ 50 °C
	EC	0 ~1999 µs/cm 0 ~19.99 mS/cm
	TDS	0 ~1999 ppm 0 ~19.99 ppt
Resolution	pH 0.01 / EC:1µs / TDS:1ppm / Temp:0.1 °C	
Accuracy	**pH**	± 0.05 pH
	Temp	± 1 °C
	EC	±2% F.S
	TDS	±2% F.S
Temperature Compensation	0 ~ 50 °C	
Battery	1.5V Battery (AG13) X 3	
Appearance	188 x 35 x 35mm	
Weight	98g	

Introduction：

The pH-875 is a multi-functional water quality meter capable of measuring pH levels and conductivity in water.

Steps for Use：

1. Remove the protective cap from the front of the instrument and turn on the power.
2. Clean the electrode with distilled or clean water, then use filter paper to gently wipe off any water droplets on the electrode.
3. Gently shake the instrument, and read the measurement value once it stabilizes.
4. Lightly press the "TEMP" button to toggle between Celsius and Fahrenheit displays.
5. In EC (TDS) mode, press and hold the button (for about 5 seconds) to switch measurement ranges, cycling through ms / µs / ppt / ppm.
6. After use, turn off the power, clean the electrode with clean water, and replace the protective cap.

HOLD：

The displayed value will no longer change once it is locked.

TEMP/CAL：

A quick press will change the temperature unit.
Press and hold for about 5 seconds to enter calibration mode, where the device automatically detects the pH value of the calibration solution.

Powe

Temperature Unit Switch：

To switch between Celsius (°C) and Fahrenheit (°F) temperature units, simply press the [TEMP/CAL] button while the device is powered on. The pH meter will change the temperature unit accordingly.

pH Calibration：

1. Remove the protective cap and clean the electrode with distilled or clean water.
2. After cleaning, dry the electrode.
3. Turn on the device and pour an appropriate amount of standard solution 6.89 into a measuring cup.
4. Fully immerse the electrode of the pH meter in the standard solution.
5. Once the value on the LCD screen stabilizes, if the reading deviates from 6.89 by more than ±0.05 pH, press and hold the [TEMP/CAL] button for about 5 seconds until the screen displays the number "686."
6. Release the [TEMP/CAL] button, and the screen will display the value 6.86, indicating that the neutral calibration is complete.

7. Clean the electrode again, and prepare a standard solution of either pH 4.00 or pH 9.18. Pour the selected solution into a new, clean measuring cup.
8. Repeat steps 4 to 6 to ensure that the pH meter's measured value matches the standard solution, with a deviation within 0.02.
9. Calibration is complete. ◦

EC Calibration：

1. Clean the electrode by placing it in distilled water.
2. Turn on the device and press and hold the [MODE] button to enter EC measurement mode.
3. Insert the electrode into a 12.88 mS/cm standard solution.
4. Wait for the value to stabilize. If the stabilized value is not 12.88 mS/cm, adjust it using a small flat-head screwdriver.
5. Clean the electrode again, then insert it into a 1.43 mS/cm solution.
6. Once the value stabilizes, confirm that the deviation is within 2%. If it is outside the specified range, replace the electrode.
7. After cleaning the electrode, the device is ready for use.

Calibration Conditions and Precautions：

* If the instrument has not been used for an extended period, it must be calibrated before use.
* If the instrument is used frequently, calibrate it daily before use.
* Avoid reusing the same bottle of calibration solution, as this may contaminate the solution and lead to inaccurate pH values.
* Measuring high-concentration acidic or alkaline solutions can accelerate the aging of the electrode. If there is a significant deviation even after calibration, the electrode should be replaced.
* Low battery power can cause measurement errors, so batteries should be replaced regularly.
* This instrument is not suitable for use with inks or sticky liquids.
* When storing the instrument, avoid direct sunlight or excessively humid environments.
* **Button batteries should not be discarded as regular trash.**

Battery replacement：

1. Open the battery cover at the bottom of the instrument.
2. When inserting a button battery, please note that the positive end of the battery is the flat end and the negative end is the protruding end.
3. The spring end of the instrument is negative.

Replacing electrodes：

1. Confirm to turn off the power.
2. After removing the protective cover and waterproof ring, the electrode head can be pulled out.
3. When installing a new electrode, please pay attention to the alignment of the contacts at the jack.
4. After connecting the new electrode, replace the

Precautions for use and disclaimer：

- Please be aware that under no circumstances will TECPEL or its distributors be responsible for the measurement values or results, whether directly or indirectly.
- This instrument is primarily intended for industrial and general liquid measurements and should not be used in environments requiring high safety measures.
- Keep this instrument out of reach of children to avoid accidental use or additional risks.
- Under no circumstances should the circuit of this instrument be altered, nor should the power input method be changed independently.
- If the instrument malfunctions or you suspect there is an issue, please send it to a distributor or TECPEL for repair. Do not attempt to adjust or repair it yourself.
- This manual may differ from the actual operation of the device, which may be due to the manual version not yet being updated. Please visit the TECPEL website or contact us for the latest manual information.
- If liquid enters the instrument or foreign objects are found inside, do not continue using it, and it is not recommended to remove the liquid or foreign objects yourself.
- TECPEL reserves the right to determine the cause of the product failure and to decide whether to repair or replace the device for products sent in for repair.

Maintenance and cleaning：

- Do not use organic solvents or strong detergents to wipe the instrument. Avoid liquid infiltration, which may cause damage or degrade the resin material on the instrument's surface.
- The electrode is very fragile; do not touch or wipe the electrode! If the liquid to be measured is oily, do not use this instrument for measurement.
- Do not place the instrument in direct sunlight or in excessively humid environments to prevent circuit damage due to moisture or degradation of protective materials due to high temperatures.
- This instrument is stored dry. Before storage, please wipe the electrode clean and then close the protective cap.