

# Automatic Potentiometric Titrator

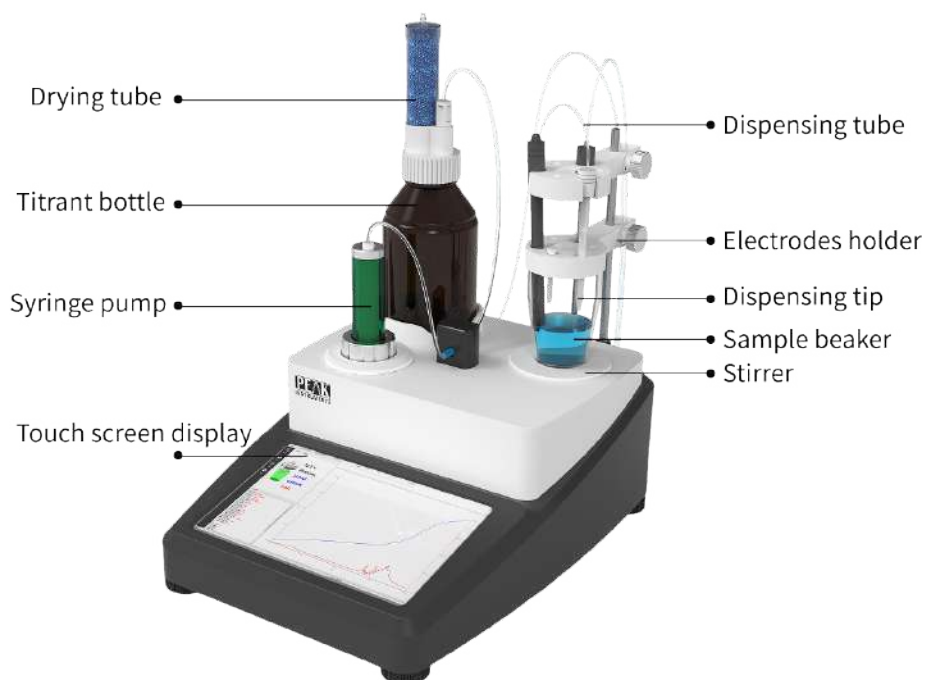
Ideal for performing a variety of titrations  
like pH, redox and ions

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Reliable results and quick analysis



# Introduction



Compact integrated design requires minimal bench space. The titration unit, stirrer, titrant bottle and electrode holder are all centralized on the all-in-one device.

Multiple self-check, pH electrode calibration and burette calibration functions.

Built-in high-precision burette, stable flow rate, accurate pipetting amount, strong anti-interference ability, direct reading of concentration, accurate test results, so that the operation error of different operators is minimized.

10-inch capacitive touch screen, navigation operation, real-time display of test methods, titration curves and measurement results.

Titration modes include dynamic titration, end-point titration, equivalence titration and manual titration. Support acid-base titration, redox titration, complexometric titration, precipitation titration, non-aqueous titration, potentiostatic (constant pH) titration and pH measurement.



The titration bottle is well sealed

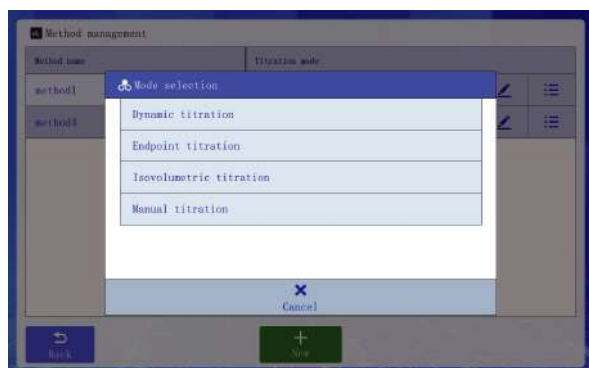


Syringe pump

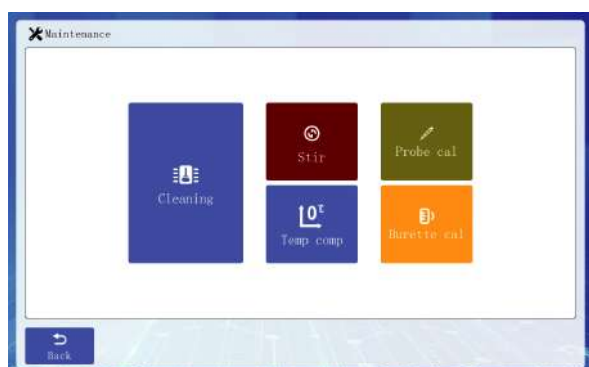


Real-time display of results

# Main Features



Multiple titration methods



Probe & Burette Calibration

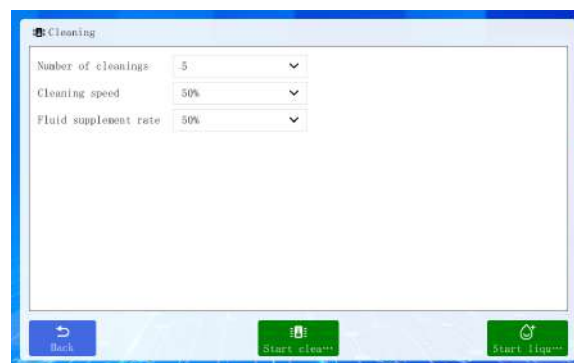
The automatic detection of endpoint can effectively eliminate the human error and ensure the accuracy. Titration results and data can be automatically stored and printed, and complete titration data can be provided for analysis and research.

Environment friendly design. Accurate titration reduces the consumption of reagent and the cost. The titrant bottle and sealing cap assembly ensure that the reagent will not be polluted by the air or volatilize odor to the room.

Casing made with strong, chemically resistant plastic and all internal pipelines are acid and alkali resistant.

Automatic cleaning and reagent addition, which makes operations much easier for users. Continuous titration can be realized by automatic reagent addition. All pipelines are automatically cleaned and rinsed for many times. There is no solution residue in the liquid connection part and it is compatible with most strong acids, bases and organic solvents, which effectively reduces the cross-contamination of samples and ensures the accuracy and reliability of data.

Automatic data recording and storage, which is convenient for the operators to trace and analyze the data and ensures its authenticity and reliability.



Automatic cleaning and fluid replenishment



Automatic endpoint determination

## Specifications

Model	ATP1000
Display	10" color capacitive touch screen
Measuring Range	mV: -2000.0 ~ 2000.0 mV pH: -2.00 ~ 16.00pH Temperature: -5 ~ 120°C
Measuring Resolution	0.1mV/0.01pH/0.1°C
Accuracy	mV value: $\pm 0.1\text{mV}$ , $\pm 0.03\%$ FS pH: $\pm 0.01\text{pH}$ Temperature: $\pm 0.1^\circ\text{C}$ , excluding probe error
Repeatability of titration analysis	$\leq 0.2\%$
Repeatability of electronic unit	$\leq 0.2\text{ mV}$
Electronic unit stability	$\pm 0.3\text{mV}/3\text{h}$
Burette included	10mL
Burette Resolution	1/96000
Power Supply	110-240V, 50/60Hz
Operating Environment	10 to 37°C, up to 70 % RH
Stirrer Speed	10%-100%, 10% increment
Shipping Size & Weight	56*49*41cm, 11Kg

## Packing List

NO.	Description	Qty
1	Titration Unit	1 unit
2	Support Rod	1 pc
3	Electrode Holder	2 pcs
4	User Manual	1 copy in USB
5	Power Adapter	1 pc
6	Sample Beaker	1(150ml)
7	Titrant Bottle	1(500ml)
8	Dispensing Tips	2 pcs
9	pH Buffer (4.00, 6.86, 9.18)	1 set(50ml/each)
10	Short-circuit Connector	1 pc
11	pH Electrode	1 pc
12	Temperature Probe	1 pc
13	Stirrer Bead	1 pc
14	Titrant Bottle Cap Assembly	1 set
15	Drying Tube	1 pc
16	Indicating Silica Desiccant	100g
17	Power Cable	1 pc
18	Micron filter cartridge	1 pc



## PEAK INSTRUMENTS

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