

Application:

Widely used in food additives, food safety, pharmaceutical production, petrochemical, quality control, research institutions

Typical titration applications:

Acid-base titration:

Drugs in amino acids, benzo thiazide Oil of total acid TBN

Redox Titration:

Foods iodine value, peroxide value, vitamin C

Water treatment chemical oxygen demand COD

Precipitation titration

Chloride titration, Pb^{2+}

Complexometric titration

Calcium, Zinc ion titration, formaldehyde titration

Non-aqueous titration

Perchloric acid titration

pH value / mV measurement

H⁺ + pH / mV Reminding ions mV



Features

- The compact designed integrated titrator and convenient automatic titration system
 - Burette valve integrated design, easy to replace, to avoid different titration, mutual interference of different solutions
 - Automatic identification pH standard solution group (standard solution group 1: 4.00 pH, 6.86pH, 9.18pH; standard solution group 2: 3.78 pH, 7.00pH, 10.01pH), supports manually identify
 - Support setting the system time, Operator ID, Burette type, Burette factor, Stirrer speed, Manual temperature, and Correction potential zero value.
 - Titration endpoint reminder
- GLP compliant measurement information, can be traced back more complete information
 - Stores 200 sets titration results and a set of titration curve
 - Data deleted, viewed, printed or exported
 - Complete record of the titration mode. Titration type. Titration start time. Titration end time. Operator. Stirring rate. Burette type. Burette factor. Titrant concentration. Sample volume. End number. Concentration.
- Upgrade function, reduce costs titration, make the operation more perfect
 - Software upgrades can be connected to an autosampler, a perfect improve efficiency
- Titrator control: dot matrix LCD. Key operation. While controlling software. Or are controlled
- Real-time display on testing methods, the titration curve, the measurement results
- With a pre-titration (dynamic titration), preset end point titration, the titration mode (two types of dedicated modes titration a. $HCl \rightarrow NaOH$ (0.1mol/L), b. $K_2Cr_2O_7 \rightarrow Fe^{2+}$ (0.1mol/L).)
- Blank titration, manual titration, PH measurement, titration mode, support for generating special titration mode, allowing users to create up to 8 titration mode
- Power protection
- USB interface, RS-232 printer port, supporting special titration software, a PC can be connected via the USB interface. On the computer can instantly display the titration curve and its first and second derivatives. Easy to edit and modify the titration modes, and can be the result of statistical

Specifications

MODEL	PL.SK.1043B
Measure Range	pH value: (0.00 ~ 14.00)pH ;mV value:(-1800.0 ~ 1800.0) mV; Temp. values:(-5.0 ~ 105.0)°C.
Resolution	pH value: 0.01pH; mV value: 0.1mV; Temperature: 0.1 °C.
Basic Error	pH values: $\pm 0.01pH \pm 1$ word; mV values: $\pm 0.03\%$ FS; Temperature values: ± 0.3 °C;
Buret Capacity Tolerance	10ml Burette: $\pm 0.025ml$; 20ml Burette: $\pm 0.035ml$.
Buret drive Resolution	1/20000
Titration Analysis Repeatability/ Electronic Unit Repeatability error	0.2%. / $\leq 0.2mV$.