

SKZ1043B Automatic Potentiometric Titrator



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:

1. The compact designed integrated titrator and convenient automatic titration system
 - a). Burette valve integrated design, easy to replace, to avoid different titration, mutual interference of different solutions
 - b). 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
 - c). Support setting the system time, Operator ID, Burette type, Burette factor, Stirrer speed, Manual temperature, and Correction potential zero value.
 - d). Titration endpoint reminder
2. GLP compliant measurement information, can be traced back more complete information
 - a). Stores 200 sets titration results and a set of titration curve
 - b). Data deleted, viewed, printed or exported
 - c). 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.

3. Upgrade function, reduce costs titration, make the operation more perfect
 - a). Software upgrades can be connected to an autosampler, a perfect improve efficiency
4. Titrator control: dot matrix LCD. Key operation. While controlling software. Or are controlled
5. Real-time display on testing methods, the titration curve, the measurement results
6. With a pre-titration (dynamic titration), preset end point titration, the titration mode (two types of dedicated modes titration a. $\text{HCl} \rightarrow \text{NaOH}$ (0.1mol / L), b. $\text{K}_2\text{Cr}_2\text{O}_7 \rightarrow \text{Fe}^{2+}$ (0.1mol / L).)
7. Blank titration, manual titration, PH measurement, titration mode, support for generating special titration mode, allowing users to create up to 8 titration mode
8. Power protection
9. 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
10. Support restore factory settings

Technical parameters:

1. Measurement Range
pH value: (0.00 ~ 14.00) pH;
mV value: (-1800.0 ~ 1800.0) mV;
Temperature values: (-5.0 ~ 105.0) °C.
2. Resolution
pH value: 0.01pH;
mV value: 0.1mV;
Temperature: 0.1 °C.
3. Basic error
pH values: $\pm 0.01\text{pH} \pm 1$ word;
mV values: $\pm 0.03\%$ FS;
Temperature values: ± 0.3 °C;
4. Burette capacity tolerance
10ml Burette: $\pm 0.025\text{ml}$;
20ml Burette: $\pm 0.035\text{ml}$.
5. Burette drive Resolution: 1/20000
6. Titration analysis Repeatability: 0.2%.
7. Electronic unit repeatability error: $\leq 0.2\text{mV}$.

Packing list:

No.	Specification	Qty
1	Automatic potentiometric titrator	1PC
2	232-01 reference electrode	1PC
3	213-01 platinum electrode	1PC
4	216-01 silver electrode	1PC
5	217-01 reference electrode	1PC
6	231-01 type pH glass electrode	1PC
7	T-818-B-6-type temperature electrodes	1PC
8	Dropping tube (SC5.462.013)	4PCS
9	Solution cups (SC8.219.010)	3PCS
10	Solution cups (SC8.463.001)	3PCS
11	Ejector tool (SC8.227.126)	1PC
12	Burette valve device 10ml (SC5.461.044)	1PC
13	Stir beads (small)	3PCS
14	Electrode holder device (SC5.108.022)	1PC
15	Sealing ring (SC8.370.249)	3PCS
16	Infusion tube (fluorine plastic) $\Phi 3.2 \times 0.5$ (Import)	2PCS
17	Casing 008NC32-YC5U (imported)	3PCS
18	Inverted conical washer 008CZ32 (imported)	3PCS
19	Plastic liquid storage bottle (500ml)	1PC
20	Fuse $\Phi 5 \times 20$ (1A)	2PCS
21	Universal power supply cable	1PC
22	TP-16 type serial printer cable	1PC
23	USB communication cable	1PC
24	Product specification and application examples	1PC
25	Product certification	1PC
26	Titration Software	1PC