

Laboratory electrochemical analytical instruments

Automatic potentiometric titrators



ZDJ-5 auto titrator Model: Intelligent, modular design, touch screen control, Chinese interface; &...



ZD-2 automatic potential titrator Model: Control titration terminal by set potential Can make precontrol potential (pH) ...



ZDJ-4A automatic potentiometric titrator Model: The instrument is a kind of intelligent laboratory volumetric analyzer, which is...

ZDJ-5 auto titrator



Product Information

Model: •Intelligent, modular design, touch screen control, Chinese interface;
•The instrument is controlled by titration software, which can realize different operation and form special titration mode.

Specification:

1. Error of electronic unit:
 - a. PH: ± 0.01 PH ± 1 word
 - b. mV: $\pm 0.03\%$ FS
 - c. Temperature: ± 0.3 °C
1. Input current of electronic unit: no more than 1×10^{-12} A
2. Input impedance of electronic unit: more than 3×10^{12} Ω
3. Stability of electronic unit: ± 0.3 mV ± 1 word/3h
4. Titration sensitivity controlled by the instrument: : ± 2 mV
5. Allowable error of Burette volume:
10ml Burette : ± 0.025 ml 20ml Burette : ± 0.035 ml
6. Burette fluid feeding or replacement speed: 55 ± 10 s (Burette full range)
7. Repeatability of volume titration analysis: 0.2%

ZD-2 automatic potential titrator



Product Information

Model:Control titration terminal by set potential

Can make precontrol potential (pH) adjustment

Control titrated solution by solenoid valve

Can make manual, automatic and constant pH (potential) titration

Delay circuit with titration terminal

Recording meter signal (0~1) V

Used with JB-1A stirrer by REX

Specification:1.Level: 0.5

2.Measuring range Resolution

pH:(0.00~14.00)pH pH:0.01pH

mV:(-1400~400)mV mV:0.1mV

3.Intrinsic error of electronic unit : pH:±0.03pH mV:±5mV

4.Input impedance of electronic unit: $3 \times 10^{11} \Omega$

5.Stability of electronic unit: ±0.01pH/3h

6.Control intrinsic error of electronic unit: ±0.1pH or ±5mv

7.Repeatability of volumetric analysis: 0.2%

8.External size of electronic unit, mm:280×240×130

9.Weight of electronic unit: 3kg

11.Normal operating condition

a)Ambient temperature: (5~40)°C

b)Relative humidity: no more than 85%

c)Electric power supply: AC (220±22)V; (50±1) Hz

d)No electromagnetic field which will influence performance exists except earth magnetic field

ZDJ-4A automatic potentiometric titrator



Product Information

Model:The instrument is a kind of intelligent laboratory volumetric analyzer, which is mainly applied to such industries as universities and colleges, scientific research institutes, petrochemical industry, pharmacy, drugs inspection and metallurgy.

Dot matrix LCD, Chinese operation interface

Can produce special titration mode by using pre-titration, presetting terminal titration or manual titration function.

Using different electrodes can make acid and alkali titration, oxidation reduction titration, deposition titration, complexation titration, nonwater titration and as well as the measurement of pH value

Power off protection function. Measuring data stored in the instrument and set parameters can be kept under the condition of closedown or off normal power cut.

Stirring system adopts PWM modulation technique, timing with software and low noise

The instrument is equipped with RS-232 interface, which can connect (TP-16, TP-24 or TP-40) serial printer to print can test data, titration curve and computing result

Communicate with computer by using REX DC Software of Data Acquisition. Display titration curve, and its first and second derivative and make contrastive analysis. In addition, can edit and modify the titration mode to realize remote control and make calculation of many kinds of statistical results.

Titration system adopts anticorrosive materials

Specification:1.Level: 0.05

2.Measuring range	Resolution
pH:(0.00~14.00)pH	pH:0.01pH
mV:(-1800.0~1800.0)mV	mV:0.1mV

Temperature: (-5.0~105.0)° C Temperature: 0.1°C

4. Intrinsic error of electronic unit

pH: ± 0.01 pH ± 1

mV: ± 0.6 mV

Temperature: ± 0.3 °C

5. Input impedance of electronic unit: $3 \times 10^{12} \Omega$

6. Stability of electronic unit: ± 0.3 mV $\pm 1/3$ h

7. Control sensitivity: ± 2 mV

8. Repeatability of titration analysis: 0.2%

9. External size of electronic unit, mm: 340×380×180

10. Weight of electronic unit: 5kg

11. Normal operating condition

a) Ambient temperature: (5~35)°C

b) Relative humidity: no more than 80%

c) Electric power supply: AC (220 \pm 22)V; (50 \pm 1) Hz

d) No electromagnetic field which will influence performance exists except earth magnetic field