

## Digital Potentiometric Titrator

Digital Potentiometric Titrator is a high-precision electrochemical analysis instrument for volumetric analysis using potentiometric titration method. It adopts modular design and consists of volumetric titration device, control device and testing device. It can carry out acid-base titration, REDOX, precipitation and complexation titration. The instrument has the functions of constant titration, micro titration, end-point setting titration, volume setting titration and mode titration. Users can also build their own special titration methods according to their actual needs.

### 1. Digital Potentiometric Titrator Introduction

1. Acid-base titration, e.g., oxalic acid (aqueous/non-aqueous) content
2. Redox titration, e.g., iodine value, iron (II) content
3. Precipitation titration, e.g., chloride content
4. Complexometric titration, such as calcium content,
5. The titration was performed with a polarized electrode (Ipol, Upol)

### 2. Digital Potentiometric Titrator Parameter

Model	JH-T6
Measuring range	-2000.0MV~+2000.0MV -20.000PH~+20.000PH
Resolution	0.1MV 0.001PH
Precision	0.1MV 0.005PH
Measurement mode	MEAS: measure pH / mV/ T CAL: pH calibration (multi-point) SET: Set the end point mode MET: equivalent titration DET: Dynamic Titration
Titration mode	Acid-base titration/ Redox titration/ Precipitation titration/ Complexometric titration/ Non-aqueous
Titration cup capacity	250ml
Temperature measurement range	0-100°C
Temperature measurement accuracy	±0.1°C
communication method	1*USB, 232 serial port, Ethernet
Dosing unit	Built-in dosing unit
Dosing module unit	1 set of built-in titration dosing channel
Expandable number of dosing channels	8
Burette specifications	1ml 5ml 10ml 25ml 50ml (10ml Standard)
Burette resolution	1/48,000
Burette refill time	10 seconds (100% filling speed)

control unit	PC with software (additional to the computer)
Autosampler	Can be used in conjunction with the GT robot sampling system for the analysis of large quantities of samples
Self-check function	Automatically check the status of the instrument after starting
Calibration function	YES
Application editing function	YES
storage	More than 300G
Default method	More than 300G
Comply with FDA, GMP, GLP	Audit trail, hierarchical management, electronic signature
Pipeline	PTFE titration line (corrosion resistant)
Stirring method	Overhead spiral stirrer or magnetic stirring
PTFE valve	Imported anti-corrosion rotary valve
Micro detection electrode	Imported
Micro syringe pump	Imported

### 3. Digital Potentiometric Titrator Feature And Application

1. Channel liquid feeding module, can be equipped with 16/18/20 station rotary disc type automatic sampler
2. Can drive multiple feeding module units, burette and pipeline should be acid, alkali and corrosion resistant.
3. Imports corrosion resistant PTFE rotary valve, PTFE corrosion resistant burette, high power mixing platform, the use of magnetic stirring coil
4. High precision closed loop control to ensure accurate titration
5. Burette filling resolution 1uL
6. High precision burette accuracy up to 0.003mm
7. Automatically check the state of the instrument after starting the machine
8. The whole pipeline is fully sealed design, quick and convenient to replace
9. Real-time display of titration curve and measurement results, convenient operation
10. Support acid-base titration, REDOX titration, precipitation titration, complex titration, non-aqueous titration and other titration methods
11. Comply with GMP standard, and the titration results meet GLP requirements
12. Automatic sample loading, automatic pipeline cleaning, automatic measurement of experimental results, automatic recording and drawing of titration pH- titration volume real-time change curve.
13. In line with the 2020 edition of the Pharmacopoeia
14. With multi-level user rights management function, to achieve audit tracking and rights management functions

### 4. Fields of use Digital Potentiometric Titrator

Automatic potential titrator belongs to the laboratory general basic equipment, the use is very wide, can be used in food, drug testing, disease control, commodity inspection, water treatment, petroleum, chemical, Marine, electric power, environmental protection, new energy, teaching, scientific research and other related fields.

### 5. Digital Potentiometric Titrator detail

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### 6. Product Qualification

Jiahang Digital Potentiometric Titrator has obtained CE certification, TART certification, ISO quality management system certification, more than 10 software copyrights and multiple patents to ensure that each instrument has stable performance and excellent quality.

#### 7. **Deliver, Shipping And Serving**

We have a top R&D team returned from Europe and America, cooperate with our superb manufacturing team, professional sales team and dedicated service team, working together to provide customers with high-tech, high-quality products and efficient, convenient, Comprehensive pre-sales and after-sales professional services.

#### 8. **FAQ**

##### **How many years have your company made Digital Potentiometric Titrator ?**

22 years of scientific instrument manufacturer, laboratory solution provider!

##### **Which certificate do you have for your products?**

Jiahang has obtained CE certification, TART certification, ISO quality management system certification, more than 10 software copyrights and multiple patents to ensure that each instrument has stable performance and excellent quality.

##### **Will you will attend the fair to show your products?**

Yes, Every year we will participate in some internationally renowned exhibitions to launch our new products, such as Arablab, PICCTON, Analytica Russia, Lab Africa, Analytica Germany, Analytica Latin America and so on, we are looking forward to your visit.

##### **How about your company's R&D strength**

Possess strong R&D technical capabilities (a R&D team of more than 20 people, with an average degree of doctorate degree, graduated from well-known universities at home and abroad, with an average work experience of 8 years), able to deal with and solve product-related technical problems

##### **If OEM is acceptable ?**

Provide OEM customization service, product built-in software has autonomy, can customize development settings

##### **Are you a trading company or a manufacturer?**



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100% manufacturer, no middlemen and distributors make the price difference, the price of the source factory is very advantageous; Jiahang is headquartered in Shanghai, China, has 15 service outlets and 2 production plants in China, and has sales in more than 10 countries overseas proxy.

### **How about your delivery time?**

"Generally, it will take 7 to 15 working days after receiving your advance payment. Depend on the quantity."

### **Which payment can be acceptable ?**

We could accept the payment by L/C, TF, Paypal , Western Union,etc.

### **Service**

We could provide Online instruction ; Real-time support by video-ca or voice-chat.

Any customer who cooperates for the first time promises to provide a production cost price trial opportunity to solve your worries about product quality problems.

Provide official product quality assurance documents that comply with legal benefits to escort you with worry-free after-sales service.