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Brand positioning:

Analytical instrument manufacturer, laboratory solution provider!

Company introduction:

Shanghai Yuke Industry Co., Ltd. was established in 1999. It is a leading manufacturer of analytical instruments and laboratory equipment in China, and is known as a high-quality instrument manufacturer and perfect service provider. Committed to the research and innovation of scientific instruments and analytical methods in the food and pharmaceutical industries, in order to promote green food and health drugs, develop and produce analytical measuring instruments, and provide technical workers with application methods and comprehensive solutions.

Yuke professional R&D laboratory instruments include: **Thermal Analyzer (DSC/TGA/STA), Microwave Digester, Dissolution system, Melting point meter, Polarimeter, Refractometer, Density meter, Turbidity meter, Dropping point & Softening point tester, Micro heating table, Potentiometric Titration, Moisture meter, Osmometer, Viscosity meter, Hardness tester, Flash point tester ..** They are widely used in pharmaceutical and food quality control, education and research, environmental science, chemical engineering and other fields.

Yuke has established strict working standards and technical standards in R&D, parts procurement, standardized manufacturing, and production inspection. Yuke 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. Yuke headquarters was established in Shanghai, China, with 15 sales branches in China, sales agents in more than 10 overseas countries, and 2 production plants. At the same time, 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.

At present, Yuke's products have been exported to more than 50 countries including the United States, Germany, France, Malaysia, Vietnam, India, Italy, etc. We are committed to participating in Arablab, PICCTON, Analytica Russia, Lab Africa, Analytica Germany, Analytica Latin America and other exhibitions. Open up different markets, and enjoy a good reputation with reliable quality, reasonable prices and good service to win a large market share.

Yuke is committed to providing customers with a better user experience and hopes to become a world-class scientific instrument manufacturer and laboratory solution provider!



Fully automatic potentiometric titrator



Brief Introduction

Automatic potentiometric titration device 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.

Fields of use

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.





The main features

1. Automatic sample injection, pipeline cleaning, automatic test;
2. 8 inch color touch screen, easy to operate and display titration curve and measurement results;
3. Support acid-base, REDOX, precipitation, complexation, non-aqueous titration and other titration methods;
4. Imported solenoid valve, PTFE corrosion-resistant burette, high-power magnetic stirring;
5. High precision closed-loop control to ensure accurate titration;
6. High precision burette accurate to 0.003mm;
7. Comply with GLP GMP certification; Support direct data printing

Technical parameters

		Model	YK-T4	YK-T5
Titration device	Volumetric titration unit	Titration analysis repeatability	0.2%	0.2%
		Allowable error of titration capacity	15ml burette: $\pm 0.025\text{ml}$; 25ml burette: $\pm 0.035\text{ml}$	15ml burette: $\pm 0.025\text{ml}$; 25ml burette: $\pm 0.035\text{ml}$
		Burette resolution	15ml burette: 1/20000; 25ml burette: 1/10000	15ml burette: 1/20000; 25ml burette: 1/10000
		Titration volume accuracy	0.0001ml	0.0001ml



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		Drive resolution	1/30000	1/30000
		Electronic unit repeatability error	≤0.2mV	≤0.2mV
Measuring device	Potentiometric Titration Module	Measuring range	(-1999.99-1999.99)mV, (0.000-14.000) pH	(-1999.99-1999.99)mV, (0.000-14.000) pH
		Resolution	0.01mV , 0.001pH	0.01mV , 0.001pH
		Maximum possible error	0.2 mV 0.02pH	0.2 mV 0.02pH
	Temperature compensation	Measuring range	(0-100.0)°C	(-10.0-100.0)°C
		Resolution	0.1 °C	0.1 °C
		Basic error	±0.2 °C	±0.2 °C
Number used for titration			2 pcs (15mL / 25mL)	2 pcs (15mL / 25mL)
Titration cup capacity			100mL	100mL
Isometric titration			YES	YES
Integrated burette			YES	YES
Used to stir samples			NO	YES
pH correction			YES	YES
Set end mode			YES	YES
mv / pH measuring electrode interface			YES	YES
Reference electrode interface			YES	YES
PT1000 temperature electrode interface			YES	YES
Host USB interface			YES	YES
Stirrer interface			YES	YES
Output Interface			Printer	Printer
Screen display			8 inch TFT touch color screen	8 inch TFT touch color screen
Power supply			110-240V, 50/60 Hz	110-240V, 50/60 Hz
Weight			7.6kg	7.6kg

Multi-channel automatic potentiometric titrator



Brief Introduction

Automatic potentiometric titration device 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.

Fields of use

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.

Application field

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)

The main features

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 1 μ L
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

Technical parameters

Model	YK-T6	YK-T7	YK-T8	YK-T9
Measuring range	- 2000.0MV~+2000.0 MV - 20.000PH~+20.000P H	- 2000.0MV~+2000.0 MV - 20.000PH~+20.000P H	- 2000.0MV~+2000.0 MV - 20.000PH~+20.000P H	- 2000.0MV~+2000.0 MV - 20.000PH~+20.000P H
Resolution	0.1MV 0.001PH	0.1MV 0.001PH	0.1MV 0.001PH	0.1MV 0.001PH
Precision	0.1MV 0.005PH	0.1MV 0.003PH	0.1MV 0.002PH	0.1MV 0.002PH
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	Acid-base titration/ Redox titration/ Precipitation titration/ Complexometric titration/ Non-aqueous	Acid-base titration/ Redox titration/ Precipitation titration/ Complexometric titration/ Non-aqueous	Acid-base titration/ Redox titration/ Precipitation titration/ Complexometric titration/ Non-aqueous
Titration cup capacity	250ml	250ml	250ml	250ml
Temperature measurement range	0-100℃	-5-120℃	-5-120℃	-5-120℃
Temperature measurement accuracy	±0.1℃	±0.1℃	±0.1℃	±0.1℃
communication method	1*USB, 232 serial port, Ethernet	2*USB, 232 serial port, Ethernet	2*USB, 232 serial port, Ethernet	2*USB, 232 serial port, Ethernet
Dosing unit	Built-in dosing unit	Built-in dosing unit	Built-in dosing unit	Built-in dosing unit
Dosing module unit	1 set of built-in titration dosing channel	2 set of built-in titration dosing channel	2 set of built-in titration dosing channel	4 set of built-in titration dosing channel
Expandable number of dosing channels	8	8	8	8
Burette specifications	1ml 5ml 10ml 25ml 50ml (10ml Standard)	1ml 5ml 10ml 25ml 50ml (10ml Standard)	1ml 5ml 10ml 25ml 50ml (10ml Standard)	1ml 5ml 10ml 25ml 50ml (10ml Standard)
Burette resolution	1/48,000	1/48,000	1/48,000	1/48,000
Burette refill	10 seconds (100%)	10 seconds (100%)	10 seconds (100%)	10 seconds (100%)



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