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Brand positioning:

Analytical instrument manufacturer, laboratory solution provider!

Company introduction:

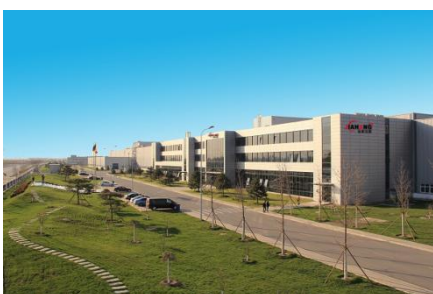
Shanghai Yuke Industry Co., Ltd. was established in 1999. It is a leading manufacturer of analytical instruments and laboratory equipment in China, and is known as a high-quality instrument manufacturer and perfect service provider. Committed to the research and innovation of scientific instruments and 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!



水分测定仪 Moisture Analyzer



Brief Introduction

Karl Fischer moisture titrator is designed and developed by the company with independent intellectual property rights of automatic capacity method Karl Fischer moisture meter. Instrument using Karl Fischer reagent as a standard liquid capacity titration method for the analysis of theory, combined with the latest machinery and electronics design technology and the interface design of human nature, good sealing, drift value and low detection limit, wide measuring range, high degree of automation, high precision and can be used for accurate analysis of solid, liquid, gas, water of crystallization, the adsorption of water, free water in the samples.

Fields of use

It can be widely used in petroleum, chemical industry, pharmaceutical industry, daily chemical industry, food, agriculture, laboratory and many other industries.

The main features

- 1.Touch-type operation, graphical interface, LED full-color LCD screen, real-time display of titration curve, metering pump sample volume, detection time, consumption of test dose, current water volume, drift and other detection parameters;
- 2.The use of fully closed titration tank, system drift is very low, automatic replacement of solvents and discharge of waste liquid, to avoid toxic reagent escape, to avoid the infiltration of environmental water;
- 3.has a patent high precision piston and titration control technology, to ensure the accuracy of the system measurement results;
- 4.pipe joints with special nuts and seals, design a variety of bottle caps to adapt to a variety of reagent bottles, available a variety of Karl Fischer reagent, different Karl Fischer reagent test results are not distinguished;
- 5.Automatic determination, simple, rapid, accurate, can realize automatic suction, drainage, automatic determination of drift, automatic deduction of drift, automatic tracking environment drift, automatic calculation results (expressed in relative standard deviation);
- 6.PID automatic control titration speed, the average sample test time is less than 2 minutes;
- 7.Support authority management, audit trail, comply with GLP/GMP specification;
- 8.Multiple data interfaces (RS-2232C, USB, Web interface);
- 9.Auxiliary functions: titration delay function, automatic terminal delay function, intelligent fault determination function, waste liquid bottle overflow warning function;
- 10.A variety of measurement results unit selection (PPM, %, ml, mGH₂O), can be equipped with special micro data printer, heating mixer, card heating furnace, card type headspace sampler, semiconductor refrigeration device, micro titration pool.

Technical parameters



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Karl Fischer moisture titrator (volume method)

Model	YK-V3	YK-V5
Measuring range of moisture content	0.001~100%	0.001%-100 (10ppm-100%)
Titration control accuracy	1 uL	0.2uL
Titration function	PID automatic control titration speed, drift automatic update automatic deduction; Automatic hold end	PID automatic control titration speed, drift automatic update automatic deduction; Automatic hold end
Accessibility	Automatic cleaning function, equipment verification function, waste liquid bottle full warning function, automatic data calculation, result statistics function	Automatic cleaning function, equipment verification function, waste liquid bottle full warning function, automatic data calculation, result statistics function
Delay setting	Delay titration and terminal delay can be set according to the need to deal with insoluble samples	Delay titration and terminal delay can be set according to the need to deal with insoluble samples
Titration repeatability (RSD)	RSD \geq 99.7% ; (2ml reagent)	RSD \geq 99.7% ; (2ml reagent)
measure time	3 minutes on average	3 minutes on average
data processing	Automatic calculation analysis results, showing consumption test dose, water quality, percentage content, PPM, etc	Automatic calculation analysis results, showing consumption test dose, water quality, percentage content, PPM, etc
data storage	There are 5 method files	12 groups
The measurement results	20 groups	20 groups
Built-in printer	YES	YES
Valve and pipe material	Three - way two - way solenoid drive control valve, anti-corrosion material pipeline and sealing joint	Three - way two - way solenoid drive control valve, anti-corrosion material pipeline and sealing joint
External electrode	Double platinum electrode	Double platinum electrode
Operation interface	LCD screen display, navigation operation menu	LCD screen display, navigation operation menu
Use environment humidity	\leq 80%	\leq 80%
power supply	95~260V / 50Hz	110~220V (AC) / 50-60Hz
Size	580*460*360mm	580*460*360mm
Weight	9.6kg	9.6kg

Karl Fischer Moisture Titrator (coulometric method)

Model	YK-C3	YK-C5
Measuring range	3ug~1000mg (H ₂ O)	3ug~199mg (H ₂ O),1ppm~100%
Reading unit	ug water	ug water
Detection accuracy	0.1 ug (H ₂ O)	0.1 ug (H ₂ O)
Accuracy	>99.7% (1000 ug Pure water)	>99.7% (1000 ug Pure water)
Electrolysis current range	0-400mA	0-400mA
temperature range	-	0-299 $^{\circ}$ C
End delay	Customizable	Customizable
Electrolysis speed	According to the electrolysis	According to the electrolysis



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	capacity of the reagent, select 6 gears, automatic control	capacity of the reagent, select 6 gears, automatic control
Drift handling	Intelligent tracking, automatic processing	Intelligent tracking, automatic processing
Calculation formula	6 formulas to adapt to different calculation needs	6 formulas to adapt to different calculation needs
Operation interface	Touch color screen	Touch color screen
Data storage	100 group	200 group
Calibration function	YES	YES
Printer	Pr-1 dedicated data printer	Pr-1 dedicated data printer
Power supply	220V / 50Hz	220V / 50Hz
Power	35W	35W
Ambient temperature	5-40°C	5-40°C
Environment humidity	20~80%	20~80%
Dimensions	320*280*160mm	320*280*160mm
Net weight	5.0kg	5.0kg