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!

SHANGHAI YUKE INDUSTRY CO. ,LTD

ROOM 1022,SOUTH DISTRICT, No.5616 CAOAN ROAD, ANTING TOWN, JIADING DISTRICT,SHANGHAI

1. Automatic Polarimeter

1.1 Smart Series - Digital Polarimeter

Brief Introduction

Shanghai Yuke Smart-P series polarimeter is an instrument for measuring the rotation of substances. The concentration, content and purity of the substance can be determined by spectrophotometry. Shanghai Yuke Automatic Polarimeter has built-in Peltier precise temperature control system, which can meet users' requirements for testing at constant temperature. The built-in automatic calibration program is optional, and the standard automatic calibration tool can be automatically calibrated from -45 degrees to +45 degrees, which fully meets the user's demand for controllable measurement accuracy in daily operation. The multi-level authority management of Shanghai Yuke automatic polarometer can meet the audit tracking.

Fields of use

1. Automatic polarimeter is widely used in medicine, food, organic chemical industry and other fields.
2. Agriculture: analysis of ingredients such as agricultural antibiotics, agricultural hormones, microbial pesticides and starch content of agricultural products.
3. Medicine: analysis of antibiotics, vitamins, glucose and other drugs, pharmacological study of Chinese herbal medicine.
4. Food: sugar, monosodium glutamate, soy sauce and other production process control and finished product inspection, food sugar content determination.
5. Petroleum: analysis of mineral oil, monitoring of petroleum fermentation process.
6. Fragrance: analysis of essential oils.
7. Health services: analysis of clinical diabetes in hospitals

The main features

1: Built-in Peltier temperature control, improve accuracy and stability;
2: There are rotation/specific curl/concentration/sugar degree and custom mode;
3: LED cold light source instead of the traditional sodium light lamp and halogen tungsten lamp;
4: Compliance with 21CFR Part 11 audit trail, pharmacopoeia and electronic signature;
5: Support network printing, support data statistical retrieval;
6: Multi-level authority management, authority can be freely configured;
7: 10 inch touch color screen, user-friendly operation interface;
8: The system comes with automatic calibration system.
9: Comply with GLP GMP certification

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Technical parameters

Model	Smart-P610	Smart-P630	Smart-P910	Smart-P930
Measurement mode	Rotation, specific curl, concentration, sugar content and custom formula			
light source	LED cold light source + high precision interference filter			
Working wavelength	589.3nm			
Test function	Single, multiple and continuous measurement			
Measuring range	Optical rotation ± 90 ° Sugar ± 259 ° for Z			
Minimum reading	0.001°	0.001° (0.0001° Optional)	0.001° (0.0001° Optional)	0.0001°
Accuracy	± 0.004 °	± 0.002 °	± 0.002 °	± 0.002 °
Repeatability	(Standard deviation s) 0.002° (Optical rotation)		(Standard deviation s) 0.001° (Optical rotation)	
Peltier Temperature control range	10℃-50℃	10℃-60℃	10℃-60℃	10℃-60℃
Temperature resolution	0.1℃	0.01℃	0.01℃	0.01℃
Temperature control accuracy	±0.1℃	±0.03℃	±0.03℃	±0.03℃
Display method	8-inch TFT color touch screen		10.4-inch TFT color touch screen	
Standard test tube	200mm,100mm ordinary type,100mm temperature control type (optional Hastelloy alloy temperature control tube of various lengths)			
Transmittance	0.1%	0.01%	0.01%	0.01%
data storage	32G	64G	64G	128G
Automatic calibration	YES	YES (standard with a standard pipe)	YES (standard with 2pcs standard pipe)	YES (standard with 6pcs standard pipe)
21 CFR PART 11	**YES**			
Audit trail	YES			
Electronic signature	YES			
Multi-function search	YES			
Print	General-purpose printer, WiFi printing	General-purpose printer, WiFi printing (Standard with a HP printer)		
Method library	YES	YES	YES	YES
cloud service	Optional	YES	YES	YES
MD5 code verification	Optional	YES	YES	YES
Custom formula	Optional	YES	YES	YES
User Management	YES / Four-level authority management			
Export in	PDF & Excel			

multiple file formats				
Communication Interface	USB, RS232, VGA, Ethernet			
Instrument level	0.01 level	0.01 level	0.01 level	0.01 level
Other options	Each capacity 50mm and 200mm long temperature control tube, mouse, keyboard connection, general purpose printer/wireless network printer			
Power supply	220V $\pm$22V, 50Hz $\pm$ 1Hz, 250W			
Weight	30kg			
Packing Size	820*475*465mm			

SHANGHAI YUKE INDUSTRY CO. ,LTD

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1.2 YK Series - Automatic Polarimeter

Model	YK-P200	YK-P300	YK-P400	YK-P600
Measurement mode	Optical rotation, specific rotation, concentration, sugar content			
light source	LED cold light source + high precision interference filter			
Working wavelength	589.3nm			Standard 546, 589nm, Optional: 405nm, 436nm, 546nm, 578nm, 689nm, 633nm
Measuring range	Optical rotation ± 89.99 °, Sugar ± 259 ° for Z			
Minimum reading	0.001°			
Indication error	±0.01° (－45°≤optical rotation≤+45°) ±0.02° (optical rotation <-45° or optical rotation > +45°)			
Repeatability	(standard deviation s) 0.002° (optical rotation)			
Peltier Temperature control range	NO	15℃-35℃	15℃-45℃	15℃-45℃
Temperature control accuracy	NO	±0.2℃		
Display method	8-inch TFT color touch screen			
Standard test tube	-	200mm,100mm ordinary type,100mm temperature control type		
The minimum light transmittance of the sample	1%			
Automatic calibration	-	-	-	Yes
Instrument level	-	-	-	0.02 level
Communication Interface	USB, RS232			
21 CFR PART 11	**NO**			
Data saving	1000 units			
Power supply	220V ±22V, 50Hz ± 1Hz, 250W			
Weight	30kg			
Packing Size	820*475*465mm			