



0086 16601757347
inquiry@yukelab.com
www.yukelab.com
0086 021 59570209

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!



Density meter



Brief Introduction

The Smart-D50/D70 automatic densitometer is based on the principle of **U-tube oscillation method**, which perfectly combines Peltier's precise temperature control technology with high-definition video camera technology to not only provide accurate, stable and reliable test results, but also provide users with efficient and convenient test experience. High-definition video can see whether there is bubble influence in the sample, using pulse excitation, high-precision detection technology, convenient for users to accurately and quickly measure the sample density and density related parameters.

Fields of use

1. Pharmaceutical industry: quality control of API and pharmaceutical intermediates, determine the specific gravity and density of pharmaceutical agents;
2. Flavor flavor: food flavor, daily flavor, tobacco flavor, food additive raw material verification;
3. Petrochemical industry: crude oil API index, gasoline, diesel density detection, additive mixing ratio process monitoring;
4. Beverage industry: measurement of sugar concentration, alcohol concentration, beer quality control, soft drink quality control;
5. Food industry: grape juice, tomato juice, high fructose corn syrup, vegetable oil and soft drinks processing quality control;
6. Brewing industry: liquor, yellow rice wine, red wine, beer, fruit wine, rice wine and other alcohol concentration detection;
7. Chemical industry: chemical urea, detergent, glycol, acid and alkali and ammonia concentration test;
8. Machinery manufacturing: metal processing, machine manufacturing, automotive industry, electronic and electrical cleaning agent detection;
9. Inspection institutions: standard laboratories, statutory testing institutions, third party detection of liquid density measurement.

The main features

1. Automatic integration to realize the function of one-key measurement.
2. Built-in Peltier temperature control, improve accuracy and stability.
3. Avoid bubbles in HD video.
4. Data can be printed directly through the printer.
5. Compliance with 21CFR Part 11, audit trail, pharmacopoeia and electronic signature.



0086 16601757347
inquiry@yukelab.com
www.yukelab.com
0086 021 59570209

Technical parameters

Model	Smart -D50	Smart -D70	Smart -D90
Test mode	Density, alcohol concentration and custom formula		
Measuring range	0 g/cm ³ to 3 g/cm ³		
Resolution	± 0.0001 g/cm ³	± 0.00001 g/cm ³	± 0.00001 g/cm ³
Repeatability	± 0.0001 g/cm ³	± 0.00005 g/cm ³	± 0.00005 g/cm ³
Accuracy	± 0.0003 g/cm ³	± 0.00008 g/cm ³	± 0.00008 g/cm ³
Injection method	Automatic (compatible with manual)		
With Video	YES		
Temperature control method	Peltier		
External heater	No	No	Yes
Temperature control range	5°C-45°C	5°C-65°C	5°C-85°C
Temperature control stability	± 0.02°C		
Display method	10.4 inch FTF color touch screen		
data storage	32G	64G	64G
output method	USB, RS232, U disk		
User Management	Yes / four-level authority management		
Standards compliant	ASTM D1250,D1475, D2501, D4052, D4806, D5002, D5931, D6448		
21 CFR PART 11	YES		
Audit trail	YES		
Electronic signature	YES		
Custom method library	YES		
Export file to verify high-level protection MD5	YES		
WIFI printing	YES		
Export in multiple file formats	PDF & Excel		
Packing Size	425*410*250mm		
Power supply	110V -230V 50Hz / 60Hz		
Gross Weight	8.5kg		