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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!



## Melt index meter



### Brief Introduction

YK-450 series melt flow rate meter is mainly used for the analysis and research of melt flow rate of thermoplastics under certain conditions. Melt flow rate of thermoplastics (melt index) refers to the plastic at a certain temperature and load, melt every 10 minutes through the standard die mass, expressed by MFR (MI) value, which can distinguish thermoplastics in the molten state of the viscous flow characteristics. The test is of great significance to the quality assurance of raw materials and products of thermoplastics and chemical fiber. Shanghai Jiahang YK-450A YK-450T Melt Index Tester is fully in line with ASTM D 1238 standard, and improved and upgraded to facilitate the test of high flow instant fat meter, especially suitable for the melt-blown material PP (polypropylene), polyethylene and other materials test.

### Meet the quality standards:

ISO 1133-2011, ASTM D1238-13, GB/T 3682-2018, JJG878-1994 (2005), JB/T5456-2005

### 主要特点: The main features

1. The equipment adopts PID intelligent temperature control with high temperature control accuracy, which can ensure that the temperature at the upper 10 mm of the inner die of the cylinder is within  $\pm 0.5^{\circ}\text{C}$ .
2. After packing, can quickly restore the constant temperature state
3. Nitriding processing of key parts, high strength, hardness, small deformation characteristics and ensure the accuracy and stability of the measured data.
4. The heating speed is fast, the instrument heater adopts special spring heating ring of hot runner, and its main material is imported nickel chromium wire alloy. Compared with the traditional heater, the dry burning ability is stronger, the power is higher, the heating uniformity is better, the service life is long, and the instrument can work for a long time at high temperature  $450^{\circ}\text{C}$ .
5. The instrument is heated by voltage regulating module, which can adjust the voltage and power in a full range. Compared with the traditional solid-state relay on-off control, the heating is more stable and rapid, so that the constant temperature can be quickly restored after packing.
6. The instrument adopts custom-made armored platinum resistance temperature sensor, the accuracy is the highest grade A, the accuracy is within  $0.1^{\circ}\text{C}$ , compared with the traditional sensor, has the characteristics of impact resistance, corrosion resistance, vibration resistance and can be bending at will, the service life is longer, can ensure the instrument in  $450^{\circ}\text{C}$  the highest temperature environment for A long time.



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### Technical parameters

Model	Measuring range	Temperature range	Printer	Temperature resolution
JH-450A	(0.1-2000) g/10min	50.0℃~450.0℃	YES	0.01℃
JH-450T	(0.1-3000) g/10min	50.0℃~450.0℃	YES	