

SYD-265H-1 Automatic Kinematic Viscometer

Summary

The instrument is designed and made as per national standard of People's Republic of China *GB/T 265 Petroleum products-Determination of kinematic viscosity and calculation of dynamic viscosity* and *GB/T1632-93 Test Methods for Viscosity Number and Limiting Viscosity Number of Polymers in Dilute Solution*. It is suitable to determine Kinematic viscosity, viscosity number, and limiting viscosity number of oils and polymer in dilute solution. It has been widely used in the field of pharmaceuticals, petroleum, chemistry, scientific research, and metrology.

I. Main technical features

1. This instrument adopts micro-computer as the central control component, with 10.2 inch color LCD display and touch screen. It achieves prompt type operation to judge the fault, error message and trouble shooting capacity.
2. Using the new type temperature sensor and calculation way, the resolution can reach 0.001°C , accuracy is $\pm 0.04^{\circ}\text{C}$.
3. Floor stand, all in one machine, Both A and B working units can test the 2 different samples in synchronization or asynchronization by automatically or hand.
4. Automatic test process includes constant temperature, oil sample updraught, detecting, calculating, viscometer cleanout, fully automatically drying, and store 100 detecting records.
5. Using one or two types cleanout fluids to wash, make sure the viscometer clean before drying, the cleanout time can be set freedom.
6. With the viscometer calibration program [JJG155] and with the viscosity index ca

II. Main technical specifications

- 1、 Temperature sensor: Pt1000
- 2、 Temperature range: $15^{\circ}\text{C}\sim 120^{\circ}\text{C}$
- 3、 Temperature resolution: 0.001°C
- 4、 Temperature control accuracy: $\pm 0.04^{\circ}\text{C}$
- 5、 Timing accuracy: $\pm 0.1\text{s}$, resolution ratio 0.01s
- 6、 Sample quantity: 2 pcs
- 7、 Usage environment: temperature $15^{\circ}\text{C}\sim 35^{\circ}\text{C}$, humidity less 85%
- 8、 Power supply: AC220V $\pm 10\%$ 50Hz $\pm 1\text{Hz}$
- 9、 Total consumption: $\leq 2100\text{W}$
- 10、 Outline dimension: $550\text{mm}\times 600\text{mm}\times 1350\text{mm}$ (L×W×H)
- 11、 Net weight: 125kg

Note: The instrument with standard configuration 4 pcs Ubbelohde capillary tubes, The inner diameters for each is 0.8 mm、 1.0 mm、 1.2 mm and 1.5 mm, If the user need other kinds of viscometer, pls inform us for customizing.

