

SYD-265B Kinematic Viscometer



Summary

This instrument is designed and made as per the industrial standard of People's Republic of China SY/T5651 Technical Condition of Petroleum Products Kinematic Viscosity Tester. It is suitable to determine kinematic viscosity of liquid petroleum products(Newtonian fluids)at a constant temperature as per the stipulation in the national standard of People's Republic of China GB/T265 Petroleum products-Determination of kinematic viscosity and calculation of dynamic viscosity.

I. Main technical features

1. This instrument adopts a type of all-in-one machine. The control switch adopts light-touch mode. It has the features of the novel design, compact structure, and beautiful appearance.
2. This instrument adopts LCD temperature controller. The temperature control is rapid. The response is fast. The overshoot is small. The temperature control accuracy can reach $\pm 0.1^{\circ}\text{C}$.
3. This instrument adopts hard glass bath and electric stirring device. Easy to observe the sample. The temperature in the water bath is uniform.

II. Main technical specifications

1. Power supply : AC(220 \pm 10%)V, 50Hz
2. Heating device : Electric heating, power 600W
3. Stirring motor : 6W, 1200RPM
4. Temperature control range : Ambient to 100 $^{\circ}\text{C}$
5. Temperature control accuracy : $\pm 0.1^{\circ}\text{C}$
6. Temperature sensor : RTD, Pt100
7. Ambient temperature : Room temperature $\sim 35^{\circ}\text{C}$
8. Relative humidity : $\leq 85\%$
9. Capillary viscometer tubes (Pinkevitch viscometer) : 7 pieces in total, inner diameter for each: 0.6mm, 0.8mm, 1.0mm, 1.2mm, 1.5mm, 2.0mm, 2.5mm
10. Dimension : 500mm \times 310mm \times 500mm