

# SYD-265C 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 liquids) 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 LCD temperature controller, having features of rapid temperature control, fast response, small overshoot. The temperature control accuracy can reach  $\pm 0.1^{\circ}\text{C}$ .
2. The instrument adopts hard glass bath and heat preservation shell (double shell structure). The heat preservation property is good. Easy to observe the sample.
3. The instrument adopts desktop and all-in-one design. The integrality is good. Convenient to operate.
4. The instrument adopts the electric stirring device. The temperature in a water bath is uniform.

## II. Main technical specifications

1. Power supply : AC(220 $\pm$ 10%)V, 50Hz $\pm$ 5%
2. Heating power : 1600W
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. Constant temperature bath : 20L, double shell structure
7. Working environment : Ambient temperature: room temperature $\sim$ 35 $^{\circ}\text{C}$   
Relative humidity:  $\leq 85\%$
8. Temperature sensor : RTD, Pt100
9. Maximum power consumption : 1800W
10. 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
11. Dimension : 530mm $\times$ 400mm $\times$ 670mm

This instrument is equipped with 7 pieces of Pinkevitch viscometer tubes. We can customize instrument equipping with Cannon-Fenske Opaque(or Routine)Viscometer tubes according to customer's requirements.