

SYD-265D-1 Kinematic Viscometer



Summary

This instrument is designed and made as per the industry standard of People's Republic of China SY/T5651 Technical Condition of Petroleum Products Kinematic Viscosity Tester, GB/T 265 Petroleum products-Determination of kinematic viscosity and calculation of dynamic viscosity and ASTM D445 Standard Test Method for Kinematic Viscosity of Transparent and Opaque Liquids. It is suitable to determine kinematic viscosity of liquid petroleum products (Newtonian liquids) by measuring the time for a volume of liquid to flow under gravity through a calibrated glass capillary viscometer tubes at a constant temperature.

I. Main technical features

1. The instrument is a kind of specially-made testing machine which the temperature control accuracy can reach $\pm 0.01^{\circ}\text{C}$ and have digital display.
2. It adopts hard glass bath and heat preservation cover(double shell).Good heat prevention and easy to observe the sample.
3. It adopts desktop and all-in-one machine design, convenient to use.
4. It adopts electric stirrer to ensure the uniform of bath temperature.

II. Main technical specifications

1. Power supply : AC $220 \pm 10\%$, 50 Hz.
2. Heating power : 1000W(auxiliary heating), 600W(temperature control heating)
3. Stirring motor : 6 W, 1200 RPM
4. Temperature range : Ambient to 100.0°C .
5. Temperature control accuracy : $\pm 0.01^{\circ}\text{C}$.
6. Timer : 0.0s~999.9s
7. Constant temperature bath : 20L, double shell structure.
8. Ambient temperature : $-10^{\circ}\text{C} \sim +35^{\circ}\text{C}$
9. Relative humidity : $< 85\%$
10. Maximum power consumption : 1800W.
11. Capillary viscometer tubes(Pinkevitch viscometer) : 7 pieces in total. The inner diameters for each: 0.6, 0.8, 1.0, 1.2, 1.5, 2.0 and 2.5mm
12. Dimension : 530mm×400mm×670mm(Bath is included)

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