

# SYD-265G Low Temperature Kinematic Viscometer



## Summary

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

## I. Main technical features

1. This instrument is a kind of specially made instrument suitable to test the low-temperature kinematic viscosity of petroleum oils. It adopts advanced technology of compressor refrigeration. The minimum temperature can reach  $-70^{\circ}\text{C}$ .
2. It is equipped with lighting device for operator observing the indication more clearly.
3. It can do determination for two samples at a time. The work efficiency is high.
4. It adopts a floor type of all-in-one machine. Easy to move.
5. It is equipped with the electric stirrer to make the temperature in bath uniform.

## II. Main technical specifications

1. Power supply: AC 220V $\pm$ 10%, 50 Hz
2. Heating device: Electric heater, 600 W
3. Refrigeration unit: Double refrigeration compressors
4. Stirring motor: 6 W, 1200 RPM
5. Temperature range: Ambient to  $100.0^{\circ}\text{C}$
6. Temperature control accuracy:  $\pm 0.1^{\circ}\text{C}$
7. Constant temperature bath: 5.8 L, stainless steel.
8. Ambient temperature:  $\leq 30^{\circ}\text{C}$
9. Relative humidity:  $\leq 85\%$
10. Temperature sensor: RTD, Pt100
11. Illumination: 220 V electricity-saving lamp.
12. Capillary viscometer tubes(Pinkevitch viscometer): 7 pieces in total. The diameters for each is 0.6, 0.8, 1.0, 1.2, 1.5, 2.0, 2.5 mm.
13. Maximum power consumption: 1700 W
14. Dimension: 530mm $\times$ 460mm $\times$ 870mm