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 Standard Test Method 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 pharmaceutics, petroleum, chemistry, scientific research, and metrology.

I. Main technical features

1. This instrument adopts micro-computer as the central control component. It achieves prompt type operation.
2. This instrument can intelligently control the whole procedure of the test. It achieves the full automation of keeping the temperature constant, time detection, viscosity calculation, viscometer tube cleaning and drying, and automatically print out test result.
3. This instrument has the ability of fault identification and processing. It is convenient for the user to analyze and judge the condition of the instrument.

II. Main technical specifications

1. Viscometer tube: Ubbelohde viscometer (Dilution type); as per GB/T1632-93
2. Measurement precision: As per GB/T265, GB/T1632-93
3. Temperature range: Ambient to 100.0℃
4. Temperature control accuracy: ±0.1℃
5. Timing accuracy: ±0.1 s
6. Timing range: 0.0s~ 999.9 s
7. Power supply: AC 220V±10%, 50 Hz
8. Maximum power consumption: 2000 W
9. Ambient temperature: 0℃～40℃
10. Relative humidity: 20～90% at 40 ℃
11. Barometric pressure: 96 kPa～103 kPa
12. Dimension: 800mm×530mm×610mm
                    (circulating bath and vacuum suction apparatus are not included)

Note: The instrument is equipped with four sets of photoelectric Ubbelohde viscometer tube assemblies in the standard packing list. The inner diameters for each is 0.8mm,1.0mm,1.2mm, and 1.5mm. If the user needs other kinds of viscometer, pls inform us for customizing.