

SYD-265E Kinematic Viscometer



Summary

The instrument is designed and made as per the national standard of People's Republic of China GB/T1841 Standard Test Method for Viscosity of Polyolefin Resin Solution. It is used to determine the viscosity of decahydronaphthalene solution of polyethylene and polypropylene at the stipulated temperature. The instrument can also be used to determine the viscosity of asphalt at the stipulated temperature as per the industrial standard of People's Republic of China T0619 Asphalt Kinematic Viscosity Test (Capillary Viscometer Method).

I. Main technical features

1. High precision digital temperature controller. Electric stirring motor.
2. High-temperature resistant glass bath. Double layer structure.
3. Desktop structure. All-in-one design.
4. The maximum heating temperature is 135°C (or 180°C).

II. Main technical specifications

1. Power supply: AC 220 V \pm 10%, 50 Hz
2. Heating power: 1700 W
3. Temperature range: Ambient to 135.0°C (or 180°C).
4. Temperature control accuracy: \pm 0.1°C
5. Mercury-in-glass thermometer: Scale division 0.1°C.
Range 100°C~150°C (for maximum 135.0°C)
Range 100°C~150°C and range 150°C~200°C (for maximum 180.0°C)
6. Bath capacity: about 23 L
7. Sample quantity: You can make a determination using 3 capillary viscometers at a time.
8. Stirring motor (1) Power: 6W (2) Speed: 1200 RPM
9. Ambient temperature: -10°C~+35°C
10. Relative humidity: <85%
11. Temperature sensor: RTD, Pt100
12. Maximum power consumption: 1800 W
13. Capillary viscometer: One group of Cannon-Fenske Opaque capillary viscometers; 7 pieces in total. They are N0.200, 300, 350, 450, 500 and 600 (The inner diameters of R tube of them are 1.02, 1.26, 1.48, 1.88, 2.20, 3.10 and 4.00 mm respectively).
14. Overall dimension: 530mm \times 400mm \times 670mm (Bath is included)