

SYD-0621 Asphalt Standard Viscometer



Summary

The instrument is designed and made as per T0621 Asphalt Standard Viscosity Test in the Industry Standard of People's Republic of China JTG E20-2011 Standard Test Methods for Bitumen and Bituminous Mixtures for Highway Engineering. It is suitable to determine the viscosity of liquid petroleum asphalt, coal pitch and emulsified asphalt at flowing state.

I. Main technical specifications

1. Power supply: AC 220 V \pm 10%, 50 Hz
2. Circular trough:
 - (1) Inner diameter: 160 mm
 - (2) Depth: 116 mm
3. Sample tube: four pieces in a set. The diameter of the effuse tube is Φ 10 mm \pm 0.025 mm, Φ 5mm \pm 0.025 mm, Φ 4 mm \pm 0.025 mm and Φ 3 mm \pm 0.025 mm.
4. Ball stopper specification:
 - A: Diameter of ball: 12.7 mm \pm 0.05 mm; Sign height: 92 mm \pm 0.25 mm.
 - B: Diameter of ball: 6.35 mm \pm 0.05 mm; Sign height: 90.3 mm \pm 0.25 mm.
5. Temperature controlling range: room temperature \sim 90 °C.
6. Temperature controlling accuracy: \pm 0.1 °C
7. Time resolution: 0.1 s, maximum time value: 999.9 s
8. Heating type: electric heater. Use a circulation pump circulating water bath liquid to control the temperature in the circular trough. Heating power is 600 W.
9. Ambient temperature: -10°C \sim 35 °C
10. Relative humidity: \leq 85%
11. Dimension: length 420 mm, width 340 mm, height 570 mm
12. Maximum power consumption: 700 W