

# **SYD-2806I Fully-automatic Asphalt Softening Point Tester**



## **Summary**

The instrument is designed and made as per GB/T4507 Test Methods for Softening Point of Petroleum Asphalt of National Standard of People's Republic of China , T0608 Asphalt Softening Point Test (Ring-and-Ball Apparatus) in the Industrial Standard of People's Republic of China JTG E20-2011 Standard Test Methods for Bitumen and Bituminous Mixtures for Highway Engineering and ASTM D36 Standard Test Method for Softening of Bitumen (Ring-and-Ball Apparatus). It is suitable to determine softening point of petroleum asphalt, coal pitch, liquid petroleum asphalt, and various asphalts. It can be widely used for asphalt manufacturing companies, highway and bridge construction companies, relative colleges and universities, and scientific research institutes.

## **I. Main technical specifications and parameters**

1. Power supply: AC 220V (-5% ~ +10%), 50 Hz;
2. Measurement range: 32 °C ~ 160 °C.
  - (1) Heating medium: distilled water (softening point under 80 °C)
  - (2) Heating medium: glycerin (softening point over 80 °C)
3. Temperature resolution: 0.01°C
4. Stirrer: electromagnetic stirring, the speed is step-less adjustable.
5. Heating rate: Self-adjusting to (5.0±0.5)°C/ min after 3 minutes.
6. Display and print: LCD screen to displays the result. Printed by the printer.
7. Heating power: 1400W
8. PC port: RS-232C communication port
9. Effective volume of flask: 1000ml
10. Test condition: room temperature is lower than 35°C and stable.  
No air convection.
11. Relative humidity: ≤ 85%
12. Overall power consumption: ≤ 1500W
13. Test sample: 2 samples