

# SYD-0615 Wax Content Tester

## Summary

This instrument is designed and made as per standards T 0615-2011 Wax Content Test for Bitumen by distillation in JTG E20-2011 Standard Test Methods for Bitumen and Bituminous Mixtures for Highway Engineering and SH/T0425 Standard Test Method for Wax Content Test of Bitumen. It is used to determine the wax content in the petroleum asphalts by cracking distillation.

## I. Main technical features

1. This instrument adopts a method of distillation cooling to determine the wax content of the sample. The instrument has two parts: Upper part contains stirring motor, temperature sensor, air flow distributor and hook for sample vessel. The lower part is the cooling filter.
2. The specially designed air flow distributor and hook for sample vessel make the instrument more reasonable and convenient for use.
3. The constant temperature bath adopts glass material. It has good heat preservation. There is no mist on the observation window. Convenient to observe.
4. This instrument equips a high accuracy digital temperature controller with clear temperature show and simple temperature set.
5. This instrument is floor-type structure. It can determine 3 samples at the same time. The test efficiency is high.



## II. Main technical specifications

1. Power supply: AC (220±10%) V, 50Hz。
2. Heating power: 700W。
3. Cooling power: 1000W。
4. Stirring rate of motor: 1200 r/min。
5. Temperature sensor: Pt100。
6. Refrigeration medium: F22。
7. Temperature accuracy: ±0.1°C。
8. Working environment: -30°C~40°C, RH<85。
9. Total power consumption: ≤1800W。
10. Overall dimension: 620mm×500mm×1600mm  
(The air flow distributor is included)

## III. Optional accessories

1. Vacuum pump: Model 2XZ-2L/S (Recommend)
2. Vacuum drying oven: Model DZF-6020 (Recommend)
3. Burning furnace: Model SYD-0615-1 Cracking furnace (Recommend)
4. Balance: 0.1mg、0.1g one set for each