

# **SYD-0613A Automatic Breaking Point Tester (Fras Method)**



## **Summary**

This instrument is used to determine the temperature which a bitumen tends to break rather flow when cooled and stressed as per standards GB/T 4510 and JTG E20-2011. It can do three tests at the same time in the same environment and calculate the average value. The cooling rate is controlled by the computer.

## **I. Main technical features**

It is controlled by a micro computer. The cooling rate is controlled automatically. It automatically timing to bend samples. The test data is shown on the colored LCD and outputted by a built-in printer.

## **II. Main technical specifications**

1. Power supply: AC (220±10%) V, 50Hz
2. Refrigeration mode: Low-temperature circulatory bath
3. Cooling rate: (1±0.5)°C/min
4. Temperature measuring range: -30°C~25°C
5. Temperature measuring error: ±0.5°C
6. Steel slice: 41mm×20mm×0.15mm
7. Test samples: It can determine 3 samples at the same time.
8. Ambient temperature: Room temp. ~+30°C
9. Relative humidity: ≤85%
10. Power consumption: 450W (breaking point tester) + 1600W (low temperature circulatory bath)
11. Overall dimension: 500mm×400mm×570mm (breaking point tester)

**Note: We can customize the breaking point tester with measuring range:-40°C~25°C**