

# SYD-3536-1 Semi-automatic Cleveland Open Cup Flash Point Tester



## Summary

This instrument is designed and made as per GB/T3536-2008 Petroleum Products – Determination of Flash and Fire Points – Cleveland open cup method and ASTM D 92 Standard Test Method for Flash and Fire Points by Cleveland Open Cup Tester. It is applicable to all petroleum products with flash points above 79°C and below 400°C except fuel oils.

## I. Main technical features

1. It adopts the technology of single chip microcomputer and LCD screen. English man-machine interface. The heating device is continuously adjustable. Easy to set parameters.
2. The LCD screen has a prompt menu, prompt type input for operator interface. It shows set parameters and real-time display sample temperature and other parameters. Press the record key when flash point appearing. The screen will display and save flash point value.
3. It is a new design and small structure. Stainless steel working table makes it elegant and beautiful. The operator can do determination as long as connecting with coal gas or other civil gas. Easy to use and results are exact.
4. It is equipped with wind-shelter and flame extinguishing cover which is accord with requirements of the test.  
Accurate heating rate. The instrument can do test automatically.
5. Operator only needs to observe the flash point appearing. The cost performance is high.

## II. Main technical specifications

1. Power supply: AC (220±10%) V, 50Hz.
2. Heating device: Electric furnace heating, no naked fire, explosion prevented. The power is adjustable from 0W to 600W. The max heating temperature can reach 400°C.
3. Temperature control: Single chip microcomputer. The heating rate can meet requirements of standards GB/T3536-2008 and ASTM D92.
4. Temperature display: LCD shows temperature parameters.  
The display range is 0°C~400°C, display accuracy is 0.1°C.
5. Flash point detecting device: It applies the test flame automatically.
6. Temperature sensor: RTD, PT100
7. Igniting device: (1) Ignition source: coal gas (or civil gas)  
(2) Flame diameter is 3.2mm~4.8mm
8. Ambient temperature: (-10~50)°C
9. Relative humidity: ≤85%
10. Maximum power consumption: 650W
11. Dimension: 340mm×320mm×450mm (Temperature sensor is included)