## SYD-261 Pensky-Martens Closed-Cup Flash Point Tester



## Summary

This instrument is designed and manufactured as per standards GB/T 261-2008 Determination of Flash Point – Pensky-Martens Closed Cup Method and ASTM D93 Standard Test Method for Flash Point by Pensky-Martens Closed Cup Tester. It is used to make a determination of the closed cup flash point of the petroleum products.

## I. Main technical features

1. This instrument is designed as per GB/T261 and ASTM D93.

2. The heating power is continuously adjustable. The power is shown visually by a voltmeter. The temperature control mode is advanced and reasonable.

3. The structure is designed small and exquisite. The stainless-steel table board is beautiful and easy to clean.

4. The operation is easy.Test results are precise.It has been chosen as the instrument to test the closed cup flash point by many metering and detecting institutes.

## **II. Main technical specifications**

1. Power supply : AC (220±10%)V, 50Hz.

2. Heating device: : The heating power is continuously adjustable from 0 W to 600W.

- 3. Heating rate: :  $(1 \sim 12)^{\circ}$ C/min ; Controllable and adjustable.
- 4. Stirring rate : Procedure A: (90~120)RPM, Procedure B: (250±10)RPM
- 5. Oil cup : (1) Inner diameter: 50.7mm $\sim$ 50.8mm.
  - (2) Depth: 55.7mm~56.0mm
  - (3) The scribed line depth of capacity of testing oil: 33.9 mm $\sim$  34.3 mm.
  - (4) Capacity of testing oil: about 70ml
- 6. Igniting device : (1) Igniting source: gas (or other civilian fuels, the same below)
  (2) Electric ignition. Gas flame diameter:3.2mm~4.8mm

7. Thermometers : Mercury-in-glass thermometer. Specifications are as below:

(1)Scale -5°C $\sim$ 110°C, division 0.5°C $_{\circ}$ 

(2)Scale 20°C $\sim$ 150°C, division 1°C<sub> $\circ$ </sub>

(3)Scale 90°C $\sim$ 370°C, division 2°C<sub> $\circ$ </sub>

- 8. Ambient temperature :  $\leq 35^{\circ}C$
- 9. Relative humidity :  $\leq 85\%$
- 10.Maximum power consumption : 650W