



## **SYD-5208 Rapid Low Temperature Closed Cup Flash Point Tester**

### **Summary**

This instrument is designed and made as per *GB/T 5208-2008 Determination of flash point - Rapid equilibrium closed cup method*. It can meet the requirements of rapid determination for closed cup flash point of petroleum products in oil, chemical, varnish, paint, railway, aviation, electricity, commercial inspection and science research institution.

This instrument is specially suitable to determine different kinds of colored paints, oil paints, adhesives, solvents and petroleum products which the closed cup flash point is  $-30^{\circ}\text{C}\sim 50^{\circ}\text{C}$ . The instrument is also correspond with ISO1523 and ISO3679.

### **I. Main technical features**

1. Designed as per GB/T 5208-2008 Determination of flash point - Rapid equilibrium closed cup method. It can realize purpose of testing closed cup flash point rapidly and at low temperature.
2. The instrument adopts semiconductor refrigeration device and external water cooling device. The size is small and cooling rate is rapid. Easy to operate.
3. Test sample needed is less. 2ml for each time (4ml for solid sample and semi-solid sample)
4. The determination procedure is automatically completed except ignition. Test results can be printed automatically.

### **II. Main technical specifications**

1. Flash point measuring range:  $-30^{\circ}\text{C}\sim +50^{\circ}\text{C}$ ;
2. Precision of determination: it meets the standard GB/T 5208;
3. Temperature resolution:  $\pm 0.1^{\circ}\text{C}$ ;
4. Igniting device: Electric igniting gun
5. Cooling mode: Semiconductor (with cold water cycle at external connection)
6. Igniting source: gas, LPG (or other civilian fuels)
7. Power supply: AC ( $220 \pm 10\%$ ) V, 50Hz
8. Total power consumption:  $\leq 300\text{W}$ ;
9. Ambient temperature:  $5^{\circ}\text{C}\sim 30^{\circ}\text{C}$   
Relative humidity: (30~80) %
10. Dimension: 490mm×520mm×390mm
11. Net weight: 25.5kg.



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Note: the temperature of external circulating water should be lower than 20 °C when the instrument is used (especially for the low temperature section below - 20 °C), and low temperature circulating water bath should be used if necessary.

### III.Optional Part

#### HWY-3 Low Temperature Water Bath

(It is used to supply circulating low temperature cooling water up to 5 °C to the instrument)



Main unit

Ignition device