

# SYD-510E Solidifying Point & Cold Filter Plugging Point Tester



## Summary

The instrument is designed and made as per standards GB/T510 Standard Test Method for Solidifying Point of Petroleum Oils and SH/T0248 Diesel and domestic heating fuels- Determination of cold filter plugging point. It is suitable to determine solidifying point and cold filter plugging point of petroleum products.

## I. Main technical features

1. The material of bench is stainless steel. It is composed of the chamber I and chamber II. There are two cooling baths in each chamber. The baths are the same in temperature.
2. It is no need to use a cooling liquid in the chambers. The cooling rate is fast and efficiency is high. Temperature controller I and controller II control the temperature of the chamber I and chamber II separately. The min. temperature in chamber II can reach  $-70^{\circ}\text{C}$ . The control precision is  $\pm 1^{\circ}\text{C}$ .
3. The instrument adopts bench structure. The design is simple and easy to use. The filter for cold filter plugging point is provided. Operator can do both solidifying point test and cold filter plugging point test after buying this equipment.

## II. Main technical specifications

1. Power supply: AC 220 V $\pm 10\%$ , 50 Hz;
2. Temperature control of chamber:
  - (1) Chamber I: Ambient to  $-51^{\circ}\text{C}$ ,  $\pm 1^{\circ}\text{C}$ , temperatures of two cooling baths are the same.
  - (2) Chamber II: Ambient to  $-70^{\circ}\text{C}$ ,  $\pm 1^{\circ}\text{C}$ , temperatures of two cooling baths are the same.
3. Refrigeration system: New type refrigeration compressor
4. Ambient temperature:  $\leq 30^{\circ}\text{C}$
5. Relative humidity:  $\leq 85\%$
6. Maximum power consumption: 1500 W
7. Dimension: 800mm $\times$ 580mm $\times$ 400mm