

SYD-5096A Copper Strip Corrosion Tester



Summary

The instrument is designed and made as per national standard of the People's Republic of China GB/T 5096 Standard Test Method for Detection of Copper Corrosion from Petroleum Products by the Copper Strip Tarnish Test and ASTM D130 Standard Test Method for Detection of Copper Corrosion from Petroleum Products by Copper Strip Tarnish Test. It is suitable to determine the corrosiveness to copper of aviation gasoline, aviation turbine fuels, automotive gasoline, tractor fuels, washing solvent, kerosene distillate, lubricating oil, and other petroleum products. The instrument has functions of temperature controlling, automatic timing and alarming.

I. Main technical features

1. It adopts LCD temperature controller, heater, and electric stirrer to form the constant bath. The temperature in the bath is uniform. The temperature controller has timing function. It can control the test time and automatically timing. There will be alarm when finished.
2. The instrument has four sample holes. One bomb or three tubes can be put in each hole to be determined. The test efficiency is high.
3. The instrument equips a standard color board imported from the USA. It can meet requirements of a test method.

II. Main technical specifications

1. Power supply: AC 220 V \pm 10%, 50 Hz
2. Temperature sensor: RTD, Pt100
3. Temperature range: Ambient to 100 °C, can be set at will
4. Temperature control accuracy: \pm 1 °C
5. Temperature display mode: LCD
6. Heating power: 1600 W
7. Time controlling range: 1 minute~24 hours, can be set at will
8. Sample testing positions: Four positions
9. Sample quantity at one test: 4 pieces~12 pieces
10. Ambient temperature: Room temperature~35 °C
11. Relative humidity: \leq 85%
12. Maximum power consumption: 1800 W
13. Dimension: 440mm \times 330mm \times 560mm