SYD-706 Self-ignition Point Tester

Summary

This instrument is designed and made as per industrial standard DL/T 706-1999 Test method for auto-ignition temperature of the fire-resistant fluid used for the power plant of the People's Republic of China. It is used to determine the self-ignition temperature of fire resistant oils used in the speed regulating system of power set which is over 30MW.

I. Main technical features

1. This instrument adopts advanced AI man-made and intelligent regulator to control temperature to make the temperature inside the vessel reach a heat balance. The flasks of the top, middle and bottom parts temperature error control within 1 ℃
2. The instrument uses a retroreflector to observe the burning point of fire-resistant oil, convenient and reliable.
3. The instrument is newly designed and easy to use. The performance is good and stable. It is suitable to determine the self-ignition point of fire resistant oil and other similar kinds of special oils.

The greatest feature of this instrument is: use intelligent temperature regulation and control technology, the test flasks of the top, middle and bottom parts temperature error controlled within 1 ℃.

II. Main technical specifications

1. Temperature control range: Room temperature～ 800℃
2. Temperature control precision： The bias of the top, middle and bottom parts of the flask is ≤1℃.
3. Conical flask：200 ml
4. Ambient temperature：Room temperature～50℃
5. Relative humidity：＜80%
6. Power supply：AC（220±10%）V，50Hz
7. Maximum power consumption： 2000W
8. Dimension：540㎜×310㎜×270㎜（retroreflector is not included）