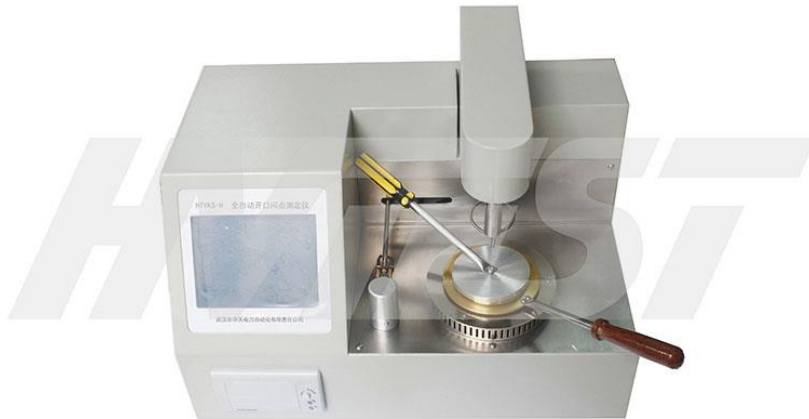# HTYKS-H Automatic Open Cup Flash Point Tester

I. Introduction

HTYKS-H Automatic open cup flash point tester, with a touch screen replace the keyboard. It can detect the open cup flash point value of petroleum products. Adopts foreign advanced technology, the large-screen LCD display, it is prompted to enter by full-screen touch buttons; it is convenient, open, fuzzy control integration software, modular structure, in line with the national standard, the United States, and the European Union standards. Widely used in railway, aviation, electricity, petroleum industry and scientific research departments.

II.Features

1.Using new high-speed digital signal processor, high precision and reliable
2.A host can simultaneously control multiple test furnaces to test multiple samples, save test time
3.Detection, uncap, ignition, alarm, cooling, print, all tests finished automatically
4.Platinum heating wire (standard), gas ignition (optional)
5.Automatic detect atmospheric pressure, automatic correct test results
6.Using the newly developed high-power high-frequency switching power supply heating technology, high heating efficiency, the use of adaptive PID control algorithm automatically adjusts the heating curve
7.Automatic stop detection and to alarm when exceed temperature range
8.Thermal mini-printers, with offline printing function
9.Historical records with time marks, store up to 255 groups
10.The calendar clock with temperature compensation, time accurate, automatically records the date and time of measurement, under power-down state can run more than 10 years
11.Using 320x240 large-screen graphical LCD display
12.Touch screen buttons, easy to operate and intuitive
13.Built-in many of implementation standards to select

III. **Parameters**

Resolution	0.1℃
The range of measuring temperature	-59.9℃～399.9℃
The range of control temperature	Room temperature～399.9℃
Repeatability	≤150℃　3℃
	＞150℃　5℃
Resolution	0.1℃
Accuracy	0.5%
Temperature Sensor	Platinum resistance (PT100)
Flash fire sensor	Ion detection ring
Environmental temperature	10～40℃
Relative humidity	<85%
Supply voltage	AC220V±10%
Power	<500W
Heating rate	In line withGB,US, and EU standards
Dimension	Host：190×260×285(mm)
	Heating furnace：280×260×285(mm)
Weight	18kg