

Petrochemical Equipment

Your reliable partner for testing petrochemical products

SKY1001-II Automated Cleveland Open Cup Flash Point and Fire Point Tester

SKY1001-II Automated Cleveland Open Cup Flash Point and Fire Point Tester is used to determine the flash point and fire point for petroleum products, lube oil, gear oil, food & beverages and chemicals. The flash/fire point tests are simply conducted by mounting the flashcup filled with sample into the test position and selecting a pre-programmed test method or the search mode to determine an approximate flash point. The test results are corrected to standard pressure (101.3kPa). Innovative instrument design ensures easy, safe and accurate use of the instrument.

Features

- Conforming to ASTM D92, ISO 2592, IP 36, GB/T 3536 and related specifications
- The iSKvator software can automatically complete the whole process of test, including ignition, sweeping, lifting, testing, extinguishing and cooling.
- Four self-contained pre-programmed test methods: Flash Point, Fire Point, Flash & Fire, Searching mode
- Built-in 7" color touch screen computer, Language: Chinese, English, Russian
- Real time display of test progress
- Flash point detection by a detachable ionization ring which is easy to maintain and clean
- Pluggable electronic igniter for convenient replacement
- Barometric correction and temperature calibration
- Precision PT100 probe for accurate sample temperature measurement
- High safety standards with preventive fire detection & over temperature protection
- The unit is equipped to store more than 5000 test results and export to an optional printer or to a LIMS



Specifications

Standards	ASTM D92, ISO 2592, IP 36, GB/T 3536
Measuring Range	79~370°C(175~698°F)
Resolution	0.1°C
Repeatability	≤6°C
Reproducibility	≤8°C
Safety Features	Automatically shuts down, alarm, and cooling, in case: <ul style="list-style-type: none"> • Flash Point Mode: EFP + 20°C is reached • Flash & Fire Mode: EFP + 50°C is reached • 400°C is reached
Gas Supply	LP gas, butane gas, pipeline gas or natural gas (pressure < 10kPa)
Cooling	Air cooling
Ignition Source	Gas ignition with automatic lighting
Flash Point Detection	Ionization Ring
Temperature Sensor	PT100 probe
User interface	7 "color touch screen Languages:Chinese, English, Russian
Barometric correction	Flash point is corrected to barometric pressure
Data Storage	No less than 5000 results
I/O Port	RS232, RJ-45
Data Export	LIMS or Printer
Machine Power	900W
Heater Power	800W
Operating Conditions	5°C~35°C 20~90%RH at 35°C, Non-condensing No air flow
Power Supply	AC 220V±10% 50/60Hz
Dimensions	530mm(W) × 233mm(D) × 427mm(H)
Weight	19KG