

Petrochemical Equipment

Your reliable partner for testing petrochemical products

SKY1002-II Automated Pensky-Martens Closed Cup Flash Point Tester

SKY1002-II Automated Pensky-Martens Closed Cup Flash Point Tester is used to detect flash point for petroleum products, residual fuel oils, biodiesels, lubricating oils, chemicals, food and beverages. Flash point tests are simply conducted by mounting the flash cup filled with sample in to the test position and selecting a pre-programmed test method. A quick search mode allows for determination of flash points for unknown samples. The flash point test result is corrected to standard pressure (101.3kPa). Innovative instrument design ensures easy, safe and accurate use

Features

- Conforming to ASTM D93, ISO 2719, IP 34, GB/T 261 and related specifications
- The iSkvator software can automatically complete the test after the user has positioned the test cup and selected the test mode
- Five self-contained pre-programmed test methods: mode A, mode B, mode C, Search mode A and Search mode B for unknown samples
- Built-in 7" color touch screen computer, Language: Chinese, English, Russian
- Real time display of test progress
- Precision PT100 probe for accurate sample temperature measurement
- Gas ignition or electric ignition, interchangeable
- Barometric correction and temperature calibration
- High safety standards with preventive fire detection & over temperature protection
- Built-in gas control valve, ignition only under safety test conditions
- High performance air cooling system, effectively shorten the test interval time
- The unit is equipped to store more than 5000 test results and export to an optional printer or to a LIMS



Specifications

Standards	ASTM D93, ISO 2719, IP 34, GB/T 261
Measuring Range	40~370°C (104~698°F)
Resolution	0.1°C
Heater Rate	Procedure A: 5°C/min ~ 6°C/min Procedure B: 1.0°C/min ~ 1.5°C/min Procedure C: 2.5°C/min ~ 3.5°C/min
Stirring Speed	Procedure A: 90r/min ~ 120r/min Procedure B: 250r/min ± 10r/min Procedure C: 90r/min ~ 120r/min
Safety Features	Automatically shuts down, alarm, and cooling, in case: <ul style="list-style-type: none"> Flash Point Mode: EFP + 20°C is reached 400°C is reached
Cooling	Air cooling
Gas Supply	LP gas, butane gas, pipeline gas or natural gas (pressure < 10kPa)
Ignition Source	Gas ignition or electric ignition, interchangeable
Ignition Power	≤50W
Flash Point Detection	Thermocouple
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	800W
Heater Power	500W
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	265mm(W) × 525mm(D) × 365mm(H)
Weight	20KG