

YK-261D

Automatic Closed Cup Flash Point Tester



This instrument is designed and manufactured according to the requirements of the national standard GB/T261-2021 "Determination of Flash Point: Pensky-Martin Closed Cup Method". It is suitable for determining the lowest temperature of the closed cup of petroleum products when the mixture of its steam and air contacts the flame under specified conditions and flashes according to the method specified in this standard, that is, the closed cup flash point. This product can be widely used in railways, aviation, power, petroleum industries and scientific research departments.

Main technical features

1. YK-261D fully automatic closed flash point tester is used to determine the closed flash point value of petroleum products.
2. It adopts an 8-inch pure industrial true color touch screen, with Chinese and English interfaces switched at will, and Windows CE embedded operating system.
3. It has the self-diagnosis function of the instrument to check whether there is a fault and display its status.
4. Automatically correct the influence of atmospheric pressure on the test and calculate the correction value.
5. The lower computer stores 120 sets of historical data.
6. The ignition mode can be selected manually or automatically at will, and this machine is electric ignition.
7. Detection, opening, ignition, printing, all completed automatically.
8. Adopting imported Renesas microcontroller. PT1000 high-precision temperature sensor imported from Germany.
9. It has the function of automatically stopping work to prevent fire and over-temperature.
10. Built-in high-precision flash point detection sensor, the detection time can reach millisecond level.
11. Simulate and track the function curve of temperature rise and test time.

Main technical parameters:

1. Working power supply: AC (220 \pm 10%) V, 50Hz;
2. Temperature measurement: Range: room temperature \sim 400 $^{\circ}$ C;
Temperature display unit: 0.1 $^{\circ}$ C;
3. Repeatability: Meet the requirements of GB/T261-2021 standard.
4. Reproducibility: Meet the requirements of GB/T261-2021 standard.



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Temperature display unit: 0.1 °C;

5. Sample heating rate: Step A: (5 ~ 6) °C/min;

Step B: (1 ~ 1.5) °C/min;

Step C: (2.5 ~ 3.5) °C/min;

6. Stirring speed: (1) (90 ~ 120) rpm, applicable to test step A.

(2) (250 ± 10) rpm, applicable to test step B.

(3) (90~120) rpm, applicable to test step C.

7. Ignition method: Ignite by electronic ignition;

8. Test conditions: Ambient temperature: (10~40)°C; Relative humidity: ≤80%;

9. Power consumption of the whole machine: not more than 500W.

10. Dimensions: (When the lifting arm is not raised) 520 mm×360 mm×310 mm (length×width×height);

(When the lifting arm is raised) 520 mm×360 mm×420 mm (length×width×height).