



AWD-01C Automatic Open Cup Flash Point Tester ASTM D92

AWD-01C is designed and manufactured in accordance with the requirements specified in GB/T 3536-2008 "Method for Determination of Flash point and Ignition Point of Petroleum Products (Cleveland Open Cup Method)" and GB/T267 open flash point of the People's Republic of China, and is suitable for the method specified in the standard. Determination of the flash points of petroleum products with fuel oil removed and open flash points below 79 ° C by the Cleveland open cup method. It can be widely used in railway, aviation, electric power, petroleum industry, colleges and universities, scientific research institutes, measurement and testing departments and other units to detect and test the flash point and ignition point of petroleum products.

Functional Features

- 1. Automatic open cup flash point tester, used to determine the open cup flash point value of petroleum products.
- 2. 8-inch pure industrial true color touch screen, English and Chinese interface can be switched at will, Windows CE embedded operating system.
- 2. With the instrument self-diagnosis function to check whether there is a fault and display its status.
- 3. Automatically correct the influence of atmospheric pressure on the test and calculate the correction value.
- 4. Standard RS485 interface, also can be connected to USB2.0, (optional) can set the instrument parameters and upload data to the computer. Can store up to 120 sets of historical data.
- 5. The ignition mode is selected manually and automatically.
- 6. Detection, cover opening, ignition, printing, automatic completion.
- 7. Using the original imported Renesas microcontroller. PT1000 high precision temperature sensor imported from Germany.
- 8. With the function of preventing fire overtemperature and automatically stopping work.
- 9. The instrument is equipped with ignition cover to automatically extinguish the ignition flame.
- 10. Built-in high-precision flash point detection sensor, detection time up to milliseconds.
- 11. Simulation tracking shows the function curve of temperature rise and test time.

Technical Parameters

- Power Supply: AC220V 50HZ
- Temperature Measurement Range: room temperature ~ 400°C
 - Repeatability: $\leq 8^{\circ}\text{C}$
 - Resolution: 0.1°C
 - Accuracy: 0.5%
- Base Parameters: temperature rise rate: in line with GB/T3536 standard
 - Ignition Mode: electronic ignition, gas flame
 - Ambient Temperature: $(10 \sim 40)^{\circ}\text{C}$
 - Relative Humidity: $\leq 80\%$
 - Power Consumption: $\leq 500\text{W}$

