



AWD-02C Automatic Flash Point Tester (Closed Cup Method) ASTM D93

AWD-02C is designed and manufactured according to the requirements stipulated in the national standard GB/T261-2008 "Determination of Flash Point Pensky-Martens closed cup Method". It is applicable to the method specified in the standard to determine the lowest temperature of the closed- cup used for petroleum products when the steam heated to the mixture of air and the flame contact flash fire under specified conditions, that is, the closed-cup method flash point.

Functional Features

- 1. AWD-02C used to determine the closed 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. Built-in high-precision flash point detection sensor, detection time up to milliseconds.
- 10. Simulation tracking shows the function curve of temperature rise and test time.

Technical Parameters

- Power Supply: AC220V 50HZ
- Temperature Measurement Range: room temperature ~ 350°C
 - Repeatability: $\leq 2^{\circ}\text{C}$
 - Reproducibility: $\leq 4^{\circ}\text{C}$
 - Resolution: 0.1°C
 - Accuracy: 0.5%
- Base Parameters: temperature rise rate: in line with GB/T261-2008 standard
 - Ignition Mode: electronic ignition
 - Ambient Temperature: (10 ~ 40) $^{\circ}\text{C}$
 - Relative Humidity: $\leq 80\%$

