**AWD-9168 Distillation of Petroleum Products at Reduced Pressure Tester**
**ASTM D1160**

AWD-9168 Distillation of Petroleum Products at Reduced Pressure tester was designed based on ASTM D1160 standard covers the determination, at reduced pressures, of the range of boiling points for petroleum products that can be partially or completely vaporized at a maximum liquid temperature of 400°C.

## Main Characteristic

- 1.Built-in industrial computer, 10.1-inch color LCD touch screen, GUI designed to continue windows operating. The operation is simple, convenient and easy to learn, and whoever can use computer can get started quickly. The runtime interface not only shows the current status of the instrument in realtime, and is also convenient for users to perform various operations on the instrument.
- 2.Instrument has built-in cold trap and adopts semiconductor refrigeration technology, which can reduce the temperature of cold trap to -40 ℃ within twenty to thirty minutes, making the whole machine more compact.
- 3.Built-in high-standard "Temperature-Pressure Conversion" function, which is convenient, simple and fast, and the accuracy is greatly improved.
- 4.System automatically controls the cooling water temperature within the set temperature± 3 ℃, and the water tank is equipped with overheat protection function.
- 5.Distillation flask can be adjusted through the touch screen, which is concise and intuitive, and can be adjusted at anytime.
- 6.Change the traditional hand-operated lifting platform to the electric operation mode. Users can operate it with one key, and the lifting platform itself has perfect self-safety protection function.
- 7.Built-in condensate automatic recovery system, the oil vapor captured by the cold trap during the experiment will automatically flow into the recovery bottle after liquefaction as the temperature of the cold trap rises after the experiment, which is convenient for users to take down and measure.
- 8.System is equipped with a nitrogen interface. When the experiment is over, the system will prompt the user to open the nitrogen valve to avoid danger caused by air entering the vacuum system.
- 9. Built-in vacuum pump makes the whole machine more simple to use.
- 10.The experimental data is automatically saved, and the experimental report can be generated. You can also transfer the data to other places with a USB flash drive or connect to a USB printer to directly print the experimental report.
- 11. Adopts tempered glass double door, which makes the test process not only clearly visible but also safety.
- 12 .Instrument has the ability to connect to the LIMS system and can be customized according to user requirements.

## Main Parameters

- 1.Power: AC ( 220V±10% ) V 10A 50Hz
- 2.Power Consumption: <1800W
- 3.Oven Consumption: 500W
- 4.Cold Water Adjustable Range: RT+5℃~80℃
- 5.Cold Trap Temperature: -40℃
- 6.Steam Temperature Range: 0~400±0.1℃
- 7.Sample Temperature Range: 0 ~400±1℃
- 8.Vacuum Degree Range: ≤ 2 ~170mmHg±0.01 mmHg


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