

## DP103ZJ automatic vacuum distillation tester

### 一、Technical Specifications

1. Executive standard: GB/T 9168、ASTM D1160
2. Display and mode: 7-inch industrial touch screen
3. Temperature sensor: Imported Class A platinum resistance
4. Display accuracy:  $\pm 0.1^{\circ}\text{C}$
5. Printing: thermal printer
6. Heating method: electric wire heating
7. Heating voltage adjustment:  $0\sim 220\text{v}$
8. Cooling method: air cooling
9. Circulating water: Built-in circulation, automatic temperature control
10. Gas circuit regulating valve: precision needle valve
11. Vacuum pump: 2 liters
12. Pressure control: High-precision pressure sensor
13. Pressure control accuracy: meets standard requirements
14. Power supply: AC220V, 50Hz
15. Power: 1800W
16. Ambient temperature:  $10^{\circ}\text{C}\sim 30^{\circ}\text{C}$



17. Relative humidity:  $\leq 85\%$

## 二、 Main Features

- The instrument features a 7-inch industrial-grade touch screen, which provides real-time display of steam temperature, electric furnace temperature, and water bath temperature.
- The instrument adopts a PLC controller, ensuring stable control and convenient operation.
- Imported high-precision sensors are used to collect sample temperature data, ensuring high measurement accuracy
- The instrument features high automation, allowing users to input the corresponding recovery volume by clicking on the screen. It automatically saves the test results and performs automatic atmospheric and vacuum pressure conversion. It can record the initial boiling point, the range from 10% to 90%, and the final boiling point.
- The instrument only needs to set the experimental pressure in the parameter settings, and it will control automatically.
- The instrument is equipped with a micro thermal printer, which has fast printing speed and low noise.
- The system automatically stores data, with the capability to cycle through and store up to 10,000 records, allowing for instant record retrieval at any time.
- The instrument features built-in circulating water, eliminating the need for an external circulating system, thus reducing the required

space and presenting an aesthetically pleasing design.

- After the experiment, the instrument is equipped with a fan for cooling, enhancing experimental efficiency.
- The instrument is equipped with functions such as temperature correction and pressure correction to prevent inaccurate pressure from affecting experimental results. It is calibrated using standard reference materials before leaving the factory.
- The instrument is of a desktop structure, with an aesthetically pleasing overall design and easy-to-use operation.