



AWD-03F Automatic Kinematic Viscosity Tester (Double Bath) ASTM D445

AWD-03F automatic kinematic viscosity tester is designed and produced according to the national standard GB/T265.

The measuring instrument adopts a modular design, the detection part uses advanced sensors and high-precision AD conversion circuit, the main control part uses a number of industrial applications, high reliability 16-bit RISC structure, ultra-low power microprocessor, good and reliable communication will form a unified, reliable measurement and control platform. Program, the use of high quality, the most simple modular program design, and organic combination with the hardware, so that the motion viscosity measurement process of automatic heating and constant temperature, liquid level detection, timing, cleaning viscosity tube, printing and other all work fully automatic completion, to achieve a one-click results of the operation mode.

Automatic motion viscometer preset 16 groups of measurement parameters for testing different samples to choose, easy to test operation. At the same time, the preset parameters can be modified to meet the requirements of measuring special samples.

Structural Characteristics

- 10 inch military display is always reliable.
- Good man-machine interface, easy to operate.
- One key to complete the viscosity sampling, timing, calculation, printing, cleaning, drying the whole process.
- 16 groups of preset parameters for selection. Preset parameters can be modified to meet special requirements.
- Built-in oil-free maintenance-free suction pump without any external equipment .
- 4 sets of capillaries can be detected at the same time, greatly improving work efficiency.
- The temperature of the double bath is set at will.
- Import temperature control system to achieve a true accuracy of 0.01.
- Imported optical fiber detection is free from indoor light and lighting interference. The optical fiber detection position can be adjusted and flexible.
- All PLC control, high stability and reliability.
- Fully automatic store 100 test results and view or print them at any time.
- The testing process complies with the standard regulations, and the data is reliable.
- Long-term continuous operation, very low failure rate.
- The external alcohol circulation bath can detect the viscosity of 0~20°C (optional).

Technical Parameters

- Temperature Range: Room temperature ~ +100°C
- Temperature Accuracy: $\pm 0.01^{\circ}\text{C}$
- Temperature Sensor: Pt 100 stainless steel probe imported from Germany, built-in temperature correction, reliable detection results.
- Heating Method: electric heating unit, max heating power 1200 W.
- Liquid Level Detection: infrared photoelectric detection.
- Display: 10 inch industrial color touch screen.
- Temperature Correction: 0-100 adjustable.
- Data Storage: 100 sets of test results.
- Power Supply: AC220V 50Hz
- Maximum Power: 1500 W
- Ambient Temperature: 10 ~ 40°C
- Storage Environment Temperature: 0 to 50 ° C

