

SYD-1884B Density, Kinematic Viscosity, Viscosity Index Tester



Summary

This instrument is designed and made as per national standard of People's Republic of China GB/T 1884, GB/T 265 and GB/T 1995. It can determine the density (liquid petroleum products) as per GB/T 1884, the kinematic viscosity (Newtonian liquids) as per GB/T 265 and viscosity index (Lubricating oils) as per GB/T 1995.

I. Main technical features

1. Multifunctional instrument. It can determine the density of crude oil and liquid petroleum products, kinematic viscosity of liquid petroleum products and a viscosity index of lubricating oils.
2. Microprocessor and colored LCD technology. Chinese-English bilingual menu. Light-touch screen. Easy to operate.
3. Advanced digital control and display. Automatic kinematic viscosity determination. The density test uses standard GB/T 1884.
4. It can test 4 samples at a time. Two for kinematic viscosity test and another two for density test. Or 4 kinematic viscosity tests. The parameters such as temperature, time, and coefficient of capillary viscometer tube and density value can be inputted in or displayed on the light-touch screen.
5. New-type temperature sensor. The temperature resolution is 0.01 °C. Temperature control precision is $\pm 0.05^{\circ}\text{C}$.
6. It can save 99 coefficients of the capillary viscometer.

II. Main technical specifications

1. Capacity of bath : $\Phi 300\text{mm} \times 340\text{mm}$
2. Temperature range : Ambient to 100°C
3. Resolution : 0.01°C
4. Temperature precision : $\pm 0.05^{\circ}\text{C}$
5. Timing precision : $\pm 0.1\text{s}$
6. Display : 5.6 inches colored LCD
7. Sample amount : 4 samples
8. Power supply : AC ($220 \pm 10\%$)V, $50\text{Hz} \pm 1\text{Hz}$
9. Maximum power consumption : 1500W
10. Working environment : Ambient temp: $(15 \sim 35)^{\circ}\text{C}$, RH < 85%
11. Dimension : $615\text{mm} \times 500\text{mm} \times 610\text{mm}$
12. Net weight : 26.5kg