

## VS600 Portable Rapid Kinematic Viscometer



### PRODUCT INTRODUCTION

The VS600 portable rapid motion viscosity meter is designed and manufactured for the rapid detection needs of outdoor sites. It is easy to operate and integrates an efficient automatic cleaning system. It can quickly measure the motion viscosity of transparent and opaque Newtonian liquids, including lubricating oil, new oil, and in use oil, at multiple temperatures. The instrument's functions have fully surpassed similar imported products.

SOOHOW INSTRUMENT SUPPORT

HIGH-END MANUFACTURING IN CHINA

**SOOHOW**

### PERFORMANCE CHARACTERISTICS

- Measurement, cleaning, drying, and result calculation are all automatically completed;
- Fast measurement speed. The fastest result is within 1 minute, and generally within 3 minutes. The entire process of injection, measurement, cleaning, drying, and result calculation generally does not exceed 5 minutes;
- Portable integrated design, customized three proof engineering box, small size, light weight, and meticulous protection;
- There are many types of samples for measurement. It can measure transparent and opaque samples, including Newtonian liquids such as gasoline, diesel, kerosene, cutting fluid, heat transfer oil, additives, lubricating oil, and in use oil;
- Clean quickly and have low cleaning costs. A cleaning process generally consumes no more than 10 milliliters of cleaning solution;
- Multiple auxiliary functions. Includes constant calibration, temperature calibration, and reliable heating protection function;
- Guided operation, plug-in quick replacement of viscometer, taking no more than 10 seconds to replace the viscometer;
- Equipped with high-quality lithium battery cells, it can maintain an ultra long battery life of 10 hours even at a temperature control of 100°C;
- It has USB data export function;
- Disposable filters can be equipped, greatly reducing the workload of experimental personnel in sample pretreatment.

### APPLICATION FIELD



### TECHNICAL PARAMETER

Project	Data
According to standards	ASTM D7279, D445, NB/SH/T 0956-2017, T/CEC 127-2016
Measurement range	2-2000mm <sup>2</sup> /s, with two viscosity tubes measuring a span of 100 times
Injection volume	0.3-1mL
Temperature control range	40-100 °C
Temperature control accuracy	0.1 °C
Timing resolution	0.01S
Repeatability	≤ 1%
Overall power	≤ 25W
Working power supply	AC220V ± 10% 50Hz ± 10%
Environmental temperature	10-28 °C
Relative humidity	<80% RH
Host size	390*230*300 (mm)
Weight	Approximately 8kg
Other	There is no strong vibration, airflow, strong electromagnetic interference, or corrosive gas around the laboratory