

HST-VH-2 Portable Kinematic Viscometer



The HST-VH-2 portable kinematic viscometer is designed for rapid outdoor field testing. It is easy to operate and integrates a highly efficient automatic cleaning and drying system. It can quickly measure the kinematic viscosity of transparent and opaque Newtonian liquids, including new and used lubricating oils, at multiple temperatures.

Feature:

- **Portable:** Small size, lightweight, and integrated with a highly efficient automatic cleaning system, allowing for testing anytime, anywhere.
- **Fast:** Results typically available in 3 minutes.
- **Safe:** Custom-designed rugged engineering case for easy and safe carrying.
- **Easy to Use:** Full Chinese display, guided operation, and plug-and-play viscometer replacement.
- **Long Battery Life:** Uses original imported lithium battery cells, maintaining a 40°C temperature for 16 hours and a 100°C temperature for 8 hours of continuous operation.

Technical Parameter:

Standards: ASTM D445, ASTM D446, ASTM D7279; Complies with GB265-88 and GB11137-89 requirements for repeatability and reproducibility.

Viscosity Tubes: 2 capillary viscometers (standard configuration: inner diameter 0.5 or 0.8)

Measuring Range: Two viscosity tubes, each with a range of 10 times the total range (100 times). Customizable to kinematic viscosities (1~2000) mm²/s according to user requirements. Can measure both transparent and opaque liquids.

Temperature: Room temperature to 100℃

Temperature Control Accuracy: ±0.01℃

Temperature Control Resolution: <0.01℃

Timing Accuracy: 0.01s

Detection Method: Photoelectric

Temperature Acquisition: PT100 Platinum Resistance Test

Injection Method: Micropipette

Sample Volume: 300 μL

Repeatability: ≤1%

Reproducibility: ≤3%

Accuracy: ≤1%

Standby Power: ≤10W

Maximum Power: ≤50W

Dimensions: 360 mm (L) × 265 mm (W) × 290 mm (H)

Weight: 9 kg

Temperature: (10~35)℃, the difference between target temperature and ambient temperature must be greater than 5℃

Humidity: Less than 80%RH

Power Supply: Built-in 24V lithium battery

Other: No strong vibration, airflow, strong electromagnetic interference, or corrosive gases in the surrounding environment.