

Intelligent Kinematic Viscometer SYD-265H

The **AELAB SYD-265H Intelligent Kinematic Viscometer** is an advanced testing solution developed in alignment with key standards such as SY/T 5651, GB/T 265, and ASTM D445. It is specifically designed for measuring the kinematic viscosity of petroleum-based liquids (Newtonian fluids). The instrument calculates viscosity by timing the flow of a liquid sample through a calibrated glass capillary tube under a constant temperature and gravity.



Key Features

- Intuitive Color LCD Interface
- Equipped with a full-color LCD screen that clearly displays all test parameters, including real-time timing and final results.
- Transparent Bath with Motorized Stirring System
- The glass bath design combined with an electric stirrer provides excellent visibility and ensures even heat distribution for stable test conditions.
- Single or Dual Sample Testing
- Operators can choose to run one or two samples at a time, offering flexibility and higher throughput for busy labs.
- High-Precision Performance
- The device delivers accurate and consistent results, making it a dependable tool for quality control and research applications.
- Automated Calculation and Printing
- Viscosity coefficients can be preset, and the system automatically calculates results after testing. A built-in printer allows for immediate documentation of data, streamlining the workflow.

Specification	Value
Power supply	AC(220±10%)V, 50Hz
Total power consumption	≤1800W
Temperature range	Ambient to 100.0℃
Temperature control accuracy	±0.01℃
Bath capacity	20L
Timing range	0.0s~9999.9s
Timing accuracy	±0.05% within 60min
Amount of capillary viscometer tubes	4 capillary viscometers
Stirring motor	1200 RPM
Working condition	15℃~35℃, RH: ≤85%
Temperature sensor	RTD, Pt100
Capillary viscometers tubes (Pinkevitch viscometer)	6 pcs (0.6mm, 0.8mm, 1.0mm, 1.2mm, 1.5mm, 2.0mm inner Ø)
Dimension	530mm × 400mm × 670mm
Net weight	42kg