

Intelligent Kinematic Viscometer

Introduction:

The intelligent kinematic viscometer is designed and made as per the industrial standard of People's Republic of China SY/T5651 Technical Condition of Petroleum Products Kinematic Viscosity Tester, GB/T 265 Petroleum products-Determination of kinematic viscosity and calculation of dynamic viscosity and ASTM D445 Standard Test Method for Kinematic Viscosity of Transparent and Opaque Liquids. It is suitable to determine kinematic viscosity of liquid petroleum products (Newtonian fluids) by measuring the time for a volume of liquid to flow under gravity through a calibrated glass capillary viscometer at a constant temperature.



Features:

1. Single chip micro-computer and colored LCD technology. High intelligence and automation.
2. Intelligent signal sampling, data measuring, parameters operating, and result output. All the operations are finished automatically. English man-machine conversation interface. Easy to operate.
3. The instrument is equipped with timing function. It can choose valid flowing time period and calculate arithmetic average automatically. It can also preset the viscosity coefficient, calculate the viscosity after the test and print the test results automatically.
4. It can do one test alone or doing two tests at one time by setting the parameters' efficiency.
5. It has the parameters saving function. The instrument will automatically save the parameters of capillary tube diameter, coefficient and so on after these parameters being settled. When doing test with the same capillary, no need to set these parameters again.
6. It adopts desktop and all-in-one machine design. Convenient to use.

Specifications:

Power supply	AC(220±10%)V, 50Hz
Heating power	1700W
Temperature range	Ambient to 100.0°C
Temperature control accuracy	±0.01°C
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	6 W, 1200 RPM
Working condition	(Ambient temperature-10)°C~ 35°C, RH: ≤85%
Temperature sensor	RTD, Pt100
Maximum power consumption	1800W
Capillary viscometers tubes(Pinkevitch viscometer)	7 pieces in total.The inner diameter for each: 0.6mm, 0.8mm, 1.0mm, 1.2mm, 1.5mm, 2.0mm, 2.5mm
Dimension	530mm*400mm*670mm