YK-265H Intelligent Kinematic Viscosity Tester

Summary

This instrument is designed and made as per the industry 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.

I. Main technical features

1. Colored LCD display, it can display time and test results.
2. It adopts glass bath and electric stirrer, easy to observe the sample and ensure the uniform of bath temperature.
3. By parameter setting, one sample can be done alone or two samples can be done at the same time, with high work efficiency.
4. High accuracy.
5. It can preset the viscosity coefficient , calculate the viscosity after the test and print the test results automatically. Easy to operate.

II. Main technical specifications

1. Power supply：AC(220±10%)V, 50Hz;
2. Total power consumption： ≤1800W;
3. Temperature range：Ambient to 100.0℃
4. Temperature control accuracy：±0.01℃
5. Bath capacity：20L
6. Timing range： 0.0s～9999.9s
7. Timing accuracy： ±0.05% within 60min
8. Amount of capillary viscometer tubes： 4 capillary viscometers
9. Stirring motor：1200 RPM
10. Working condition： 15℃～35℃, RH: ≤85％
11. Temperature sensor： RTD, Pt100
12. Capillary viscometers tubes(Pinkevitch viscometer)： 6 pieces in total.The inner diameter for each: 0.6mm, 0.8mm, 1.0mm, 1.2mm, 1.5mm, 2.0mm

13.Dimension： 530mm×400mm×670mm

14.Net weight：42kg.

Pinkevitch

Diameter（D）	Suitable samples	Range（mm2/s）（mm^2/s）	Time no less than（s）	
0.4	Transparent samples	0.6～1.7	350	
0.6	Transparent samples	1.7～8.5	200	Standard
0.8	Transparent samples	5.4～27	200	
1	Transparent samples	13～65	200	
1.2	Transparent samples	28～140	200	
1.5	Transparent samples	70～350	200	
2	Transparent samples	200～1000	200	
2.5	Transparent samples	520～2600	200	
3	Transparent samples	1060～5300	200	
3.5	Transparent samples	1980～9900	200	
4	Transparent samples	3400～17000	200	
5	Transparent samples	5000～20000	200	
6	Transparent samples	8000～30000	200	