



0086 16601757347
inquiry@yukelab.com
www.yukelab.com
0086 021 59570209

YK-265C Kinematic Viscosity Tester

Summary

This instrument 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*. It is suitable to determine kinematic viscosity of liquid petroleum products (Newtonian liquids) at a constant temperature as per the stipulation in the national standard of People's Republic of China *GB/T265 Petroleum products-Determination of kinematic viscosity and calculation of dynamic viscosity*.

I. Main technical features

1. The instrument adopts hard glass bath and heat preservation shell(double shell structure).The heat preservation property is good. Easy to observe the sample.
2. It can do two samples at the same time.

II. Main technical specifications

1. Power supply: AC(220±10%)V, 50Hz±5%
2. Maximum power consumption: 1800W
3. Stirring motor: 1200RPM
4. Temperature control range: Ambient to 100°C
5. Temperature control accuracy: ±0.1°C
6. Timing range: 0s~9999.9s;
7. Constant temperature bath: 20L,double shell structure
8. Working environment: Ambient temperature: 15°C~35°C
Relative humidity: ≤85%
9. Temperature sensor: RTD, Pt100
10. Capillary viscometer tubes (Pinkevitch viscometer): 6 pieces in total, inner diameter for each: 0.6mm, 0.8mm, 1.0mm, 1.2mm, 1.5mm, 2.0mm
11. Dimension: 530mm×400mm×670mm
12. Net weight: 20.5kg.



Note: This instrument is equipped with 6 pieces of Pinkevitch viscometers.We can customize instrument equipping with Ubbelohde viscometers。 Cannon-Fenske Opaque capillaries according to customer's requirements.



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Pinkevitch viscometers: (Standard)

Pinkevitch

Diameter (D)	Suitable samples	Range (mm ² /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	



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Cannon-Fenske Opaque capillaries (Optional)

Cannon-Fenske Opaque capillary

Diameter (D)	Model	Suitable samples	Range (mm ² /s)
	25	Opaque sample	0.4~2
	50	Opaque sample	0.8~4
	75	Opaque sample	1.6~8
	100	Opaque sample	3~15
	150	Opaque sample	7~35
Φ1.02	200	Opaque sample	20~100
Φ1.26	300	Opaque sample	50~200
Φ1.48	350	Opaque sample	100~500
Φ1.88	400	Opaque sample	240~1200
Φ2.2	450	Opaque sample	500~2500
Φ3.1	500	Opaque sample	1600~8000
Φ4.0	600	Opaque sample	4000~20000

Ubbelohde viscometers (Optional)

Diameter (D)	Suitable samples	Range (mm ² /s)	
0.46	Transparent samples	1~5	it can do
0.58	Transparent samples	2~10	
0.78	Transparent samples	6~30	
1.03	Transparent samples	20~100	
1.36	Transparent samples	60~300	
1.83	Transparent samples	200~1000	



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2.43	Transparent samples	600~3000	
3.27	Transparent samples	2000~10000	
4.32	Transparent samples	6000~30000	