



A different accompaniment, at your service



 **Kalstein**®

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LABORATORY SECTOR
VISCOMETER

www.kalstein.net/en/



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OUR SERVICES

Benefits and Support

In Kalstein France, we take care of the full satisfaction of our customers, that is why we provide value-added services of the highest level based on our experience.



Online Inductions and Trainings

In any part of the world, receive your induction or training from our specialized team of engineers



Quick Response

Our work team is always available to response all your consults or questions, in order to support you in any situation.



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Thanks to your purchase, a donation will be made to a non-profit foundation that fights against breast cancer and helps most vulnerable communities.



Technical Support

Enjoy of personalized advice for the correct preventive and corrective maintenance of your equipment, thanks to Kalstein's manuals and articles, special catalogues and video tutorials.



Delivery Logistics

We take care of all the necessary logistics for the dispatch of your goods, whether is by sea, land or air.



Kalstein Worldwide

With more than 25 years growing with our customers, Kalstein's multiformat and modern content, is now present in more than 10 countries and increasing.



KALSTEIN® Viscometer
Touch Screen Brookfield Viscometer
Model YR05858 // YR05859



Product Description:

Perfect integration of touch-screen technology, fast, accurate, easy to measure viscosity. Step-less debugging, can measure super high viscosity of the sample. 5-inch color touch screen can be comprehensive, visual display of a variety of parameters and working conditions. It has many advantages, such as many measuring parameters, rich display content, convenient operation, intuitive reading, high measuring precision, stable rotational speed, strong anti-interference performance, showing the curve of shear rate and viscosity, and so on. Widely used in paint, paint, cosmetics, ink, pulp, food, oil, starch, solvent adhesive, latex, biochemical products and other high viscosity industries.



Features:

- ✓ Adopt ARM technology, built-in Linux system. The operation interface is simple and clear, through the creation of test program and data analysis, the viscosity test is carried out quickly and conveniently.
- ✓ Accurate: each measuring range is automatically calibrated by the computer program, precision, smaller error
- ✓ Display: in addition to viscosity (dynamic viscosity and kinematic viscosity), there are also temperature, shear rate, shear stress, measurement value as a percentage of the full range value (graphic display, range overflow alarm, automatic scanning, Maximum measurement range, date, time and so on, under current rotor speed combination.
- ✓ Complete functions: timing measurement, self-built 30 groups of test programs (viscosity, temperature, rotor, speed, shear rate, shear stress, time, density, kinematic viscosity, etc.), access to 30 groups of measurement data, real-time display of viscosity curves, printing data and curves; automatically scan and recommend the preferred combination of rotor and rotation speed.
- ✓ Front level: level adjustment is intuitionistic and convenient
- ✓ Showing the curve of shear rate versus viscosity: the range of shear rate can be set, and displayed on the computer in real time; Curve of time – to – viscosity can also be displayed
- ✓ Optional Pt100 temperature probe: wide temperature range, ranging from -20 °C to 300 °C, and measuring precision 0.1 °C
- ✓ Maximum Measurement Range : Automatic display of selected combinations of rotor and rotation speed. Measurable viscosity range.9. Kinematic Viscosity: Density of samples to be entered



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KALSTEIN® Viscometer

Touch Screen Brookfield Viscometer

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PC Software Function:

- ✓ Controlled viscometer by Computer
- ✓ Showing the Curve of the shear rate and viscosity, the viscosity and time, and the temperature (optional temperature probe) and time
- ✓ Data saving and printing.



Technical Description:

Model	YR05858	YR05859
Speed(r/min)	0.3–100 infinitely variable speed , a total of 998 speed options	
Measuring Range	Rotor 1- 4: 10-2000000 mPa.s	Rotor 1-4: 10–6,000,000 mPa.s
	ULR: 1-1000	ULR: 1-6000
	Rotor 18: 3 – 10000	Rotor 18: 1.5 – 300,000
	Rotor 25: 480 – 1.60000000	Rotor 25: 240 – 4.8,000,000
	Rotor 31: 30 – 100000	Rotor 31: 15 – 300,000
	Rotor 34: 20 – 200000	Rotor 34: 30 – 600,000
Rotor	L1 – L4 (Standard)	
	Enhanced ultra-low viscosity adapter ULR (optional)	
	Small sample adapters (rotors 18,25,31,34)(optional))	
Sample Dosage	Rotor 1- 4: 300 – 400ml	
	ULR: 21ml	
	Rotor 18 : 7ml	
	Rotor 25: 9ml	
	Rotor 31: 10.5ml	
	Rotor 34:11ml(K = 1000; M = 1000000)	
Measurement Error	±1% (Newtonian liquid)	
Repetitive Error	±0.5% (Newtonian liquid)	
Data output Interface	RS232*2pcs, temperature probe interface*1pc	
Power	110V ~240V , 50Hz / 60Hz	
Dimension	350 *350 *450mm	
Standard Accessory	Main machine, bracket and the base, rotor L1,L2,L3,L4, rotor protection frame, power adapter.	
Optional Accessory	Supper Ultra-low viscosity adapter ULR rotor, temperature sensor, thermostat bath, thermostat cup, printer, standard calibrate silicone oil (5.7mpa.s/336.1mpa.s/5220mpa.s), etc.	



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