



A different accompaniment, at your service



 **Kalstein**®

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LABORATORY SECTOR
VISCOMETER

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OUR SERVICES

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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.



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



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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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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
Brookfield Viscosity Tester
Model YR05860 // YR05864



Product Description:

Perfect integration of touch-screen technology, fast, accurate, easy to measure viscosity. Stepless 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.



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.
- ✓ The viscosity test value is accurate: each measuring range is automatically calibrated by a computer, the precision is high, and the error is small
- ✓ Display is rich: 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. Show kinematic viscosity when density is known.
- ✓ Complete functions: timing measurement, self-built 30 groups of test programs, access to 30 groups of measurement data, real-time display of viscosity curves, printing data and curves
- ✓ 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
- ✓ Optional accessories rich: ULR rotor, temperature sensor, viscometer special thermostat bath, thermostat cup, printer, standard viscosity sample (standard silicone oil), etc.
- ✓ The measurable range is very large, ranging from 100 to 320 million MPA.
- ✓ Widely used in paint, paint, cosmetics, ink, pulp, food, oil, starch, solvent adhesive, latex, biochemical products and other high viscosity industries



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KALSTEIN® Viscometer Brookfield Viscosity Tester Model YR05860 // YR05864



Technical Description:

Model	YR05860	YR05861	YR05862	YR05863	YR05863-1	YR05864
Display	5-inch color touch screen					
Test range (mPa.s)	100-13,000,000	200-26,000,000	800-104,000,000	100-40,000,000	200-80,000,000	800-320,000,000
Speed (r/min)	0.3–100 infinitely variable speed , a total of 998 speed options			0.1–200 infinitely variable speed , a total of 2000 speed options		
Rotor	R2 – R7(6 rotors, Standard), ULR(Optional for low viscosity material)					
Sample volume	500 ml					
Test error	±1% (Newtonian liquid)					
Repetitive error	±0.5% (Newtonian liquid)					
Interface	Two RS232 interface					
Power	Wide voltage work (110V / 60Hz or 220V / 50Hz)					
Packing	580*350*350mm & 440*380*450mm					
Function	Show shear response / shear rate; Timing function					
	Show curve: Time-viscosity curve					
	Show curve: Temperature-viscosity curve(should optional temperature probe)					
	Show curve: shear rate and viscosity curves(should optional PC software)					
	kinematic viscosity: Density of samples to be entered					
	Automatic display of the selected combination of rotors and rotational speeds in a measurable range of viscosity					
	Self-built Measuring Procedures: Save 30 groups (including rotor, speed, temperature, time, etc.)					
	Preservation of measurements: Save 30 sets of data (including viscosity, temperature, rotor, speed, shear rate, shear stress, time, density, kinematic viscosity, etc.)					



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