



# VISCO920 Digital Touch Screen Rotational Brookfield Viscometer



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Catalogue



The VISCO920 series rotary viscometer is perfectly integrated with touch screen technology, and uses a fashionable and modern high technology to measure viscosity quickly, accurately and conveniently. Powerful, stepless debugging, can measure ultra-high viscosity samples.

It can build 30 sets of test programs by itself and save 30 ancestor test data. The 5-inch large color touch screen can comprehensively and visually display various parameters and working conditions. It has obvious advantages such as multiple measurement parameters, rich display content, convenient operation, intuitive reading, high measurement accuracy, stable rotation speed, strong anti-interference performance, curve showing shear rate and viscosity, and wide working voltage. It can replace similar imported instruments.

## Main Features:

- Adopt ARM technology, built-in Linux system. The operation interface is simple and clear, through the creation of test procedures and data Analysis, quick and convenient viscosity test;
- Accurate viscosity measurement: each range is automatically calibrated by computer, with high accuracy and small error;
- Rich display content: In addition to viscosity (dynamic viscosity and kinematic viscosity), there are temperature, shear rate, shear stress, measured value as a percentage of full scale value (graphic display), range overflow alarm, self maximum scanning range, date, time, etc. under dynamic scanning, current rotor speed combination. and It can display kinematic viscosity under the condition of known density to meet different measurement requirements of users;
- Complete functions: timing measurement, self-built 30 sets of test programs, access to 30 sets of measurement data, real-time display of viscosity Curves, print data and curves, etc.;
- Front level gauge: level adjustment is intuitive and convenient;
- Stepless speed regulation: VISCO920 series: 0.3-100 revolutions, a total of 998 speeds VISCO920E series: 0.1-200 rpm, a total of 2000 speeds
- Display the curve of shear rate versus viscosity: the range of shear rate can be set and displayed on the computer in real time; also Curve showing time versus viscosity
- Optional Pt100 temperature probe: wide temperature measurement range, from -20 to 300°C, temperature measurement accuracy of 0.1°C;
- Various optional accessories: constant temperature bath for viscometer, constant temperature cup, printer, standard viscosity sample (standard silicone oil) Wait;

Stepless speed regulation VISCO 920 Series series viscometer can measure a very large range, from 1 to 320 million mPa.S, covering almost most of the samples.

The performance is equivalent to the imported viscometer of the same type and can be used instead.

Widely used in paints, coatings, cosmetics, inks, pulp, food, oil, starch, solvent-based adhesives, latex, biochemical products and other industries and samples that need to be heated and melted such as paraffin, polyethylene wax, rosin, asphalt, heat Melt glue etc.



## Automatic Scanning Function

Automatically recommend the best combination for rotor and rotate speed, easy operation, accurate testing result



## 5 inch LCD Color Touch Screen

To input data, read and display curve,



## Temperature measuring probe

Pt100 temperature probe provide measurement 20 °C to 300 °C /0,1°C -Optional



## Optional professional software

To acquiring and process data, storage,



## Optional accessories

Temperature stability water bath, printer,...

Viscometer Type	VISCO920	VISCO920E
<b>PRICE</b>		
<b>Control /Display mode</b>	5 inches color touch screen	
<b>Speed</b>	0.3 – 100 steeples speed change, A total of 998 speeds are available	0.1 -- 200 CVT A total of 2000 RPM is available
<b>Range of Measurement</b>	1-2 million.mPa.s	1-6 million mPa.s
<b>Rotors - Spindle</b>	No. 1-4 (Standard) Enhanced ultra-low viscosity adapter ULR (optional) A few sample adapters (18, 25, 31, 34 rotors) (optional)	
<b>Sample volume</b>	Rotor No. 1-4: Range 10-2M 300-400ml ULR: Range 1-1000, 21ml Rotor No. 18: Range 3-10K, 7ml Rotor No. 25: 480-1.60M; 9ml No. 31 rotor: 30-100K; 10.5ml No. 34 rotor: 20-200K; 11ml	Rotor No. 1-4: Range 10-6M 300-400ml URL: Range 1-1000 21ml No. 18 rotor: range 1.5-30K, 7m Rotor 25: 240-4.8M; 9ml Rotor No. 31: 15-300K; 10.5ml No. 34 rotor: 30-600K; 11ml
<b>Timing Function</b>	Standar	
<b>Measuring error (Newtonian liquid)</b>	±1%	
<b>Repetition error (Newtonian liquid)</b>	±0.5%	
<b>Display viscosity curve</b>	Temperature-viscosity curve, Time-viscosity curve, (Optional data processing software can display the curve of shear rate and viscosity)	
<b>Kinematic viscosity</b>	Density of sample to be input	
<b>Temperature measurement</b>	Pt100 A class as a standard other prove according customer needs	
<b>Auto scan</b>	Automatically scan and recommend the best combination of rotor and speed	
<b>Maximum measurement range</b>	Automatic display of the selected combination of rotors and rotational speeds in a measurable range of viscosity	
<b>Self-built measurement program</b>	Save up to 30 groups (including rotor, speed, temperature, time, etc.)	
<b>Save of measurement results</b>	Up to 30 sets of data can be stored (including viscosity, temperature, rotor speed, shear rate, shear stress, time, density, kinematic viscosity, etc.)	
<b>Print</b>	Data, curves (marked with print interface, COLO printer to be purchased)	
<b>Data output interface</b>	RS232	
<b>Constant temperature component</b>	Selection (all kinds of viscometer special constant temperature slot, constant temperature cup water baths (optional)	
<b>Power supply</b>	220V±10% 50Hz	
<b>Instrument dimension</b>	300*300*450	



4 spindles – Rotors included L1,L2,L3,L4  
LS,LO is optional



Temperature Probe Pt100 AClass – -20°C to  
300°C/0,1°C

Please note

If this Viscometer does not match the specific needs of your application, or some options are not listed for sale, please feel free to contact us. Our manufacturing engineers will come up with technical solutions to meet your needs. We reserve the right to change technical specifications at any time.

**COLO LabExperts**



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