



LPV Series Digital Rotary Viscometer

The viscometer adopts high-performance imported microcomputer chips, imported stepper motors and other key components, with LCD backlight display, program setting, automatic control, timing measurement, unit conversion, automatic scanning and other functions; It can measure the absolute viscosity of Newtonian liquid or the apparent viscosity of non-Newtonian liquid. The instrument has high sensitivity, high precision, accurate and reliable test data, and good reproducibility.

Display interface

99990000	cP
99.9 %	19.9°C
00:00:59	
R7	10 RPM
SPINDLE	SPEED

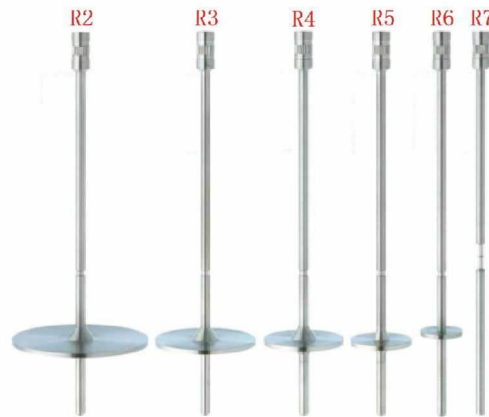


Characteristics :

- Adopting microcomputer drive technology, imported stepper motor, international common voltage, Chinese/English switchable
- Viscosity display resolution accurate to 0.1% of the full range
- Scanning function, the instrument can automatically recommend the appropriate rotor and speed over-range automatic alarm
- Support multiple unit conversion display, viscosity Pa.s/mPa.s/cP/P, temperature °C/°F
- Support three kinds of measurement end conditions setting: time, temperature, torque, to meet the requirements of different customers
- Support 58 kinds of speed steps infinitely adjustable to improve testing accuracy
- Rich optional accessories for the machine to meet different measurement needs of customers: PT100 temperature sensor, ULR ultra-low viscosity adapter, SSR small amount of sample adapter, constant temperature bath, printer, DV upper computer software, viscosity standard solution



LV model is equipped with rotor as standard, which is suitable for testing low viscosity of samples



RV/HA/HB model is equipped with rotor as standard, which is suitable for testing high viscosity samples

Marketed, Sales & Service by :

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LPV Series Digital Rotary Viscometer

Main Technical Parameters :

Name	LPLV-1	LPRV-1	LPHA -1	LPHB-1
Test Range(CP)	1*-2M	100**~13M	200**~26M	800**~104M
Rotation Rate (RPM/min)	0.1 , 0.3, 0.5, 0.6, 1, 1.5, 2, 2.5, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14, 15, 16, 18, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 37 kinds in total			
Rotor	1#,2#,3#,4#	R2, R3, R4, R5, R6, R7		
Demand Amount of Test Sample	400-500mL (According to different rotators)			
Display Information	Viscosity, rotor, rotation rate, torque%, measurement time, temperature, shear rate, shear stress			
Test Accuracy	±1% (Newtonian Fluid FS)			
Reproducibility	±0.3%			
Display Resolution	Full Range 0.1%			
Stop Mode	Three kinds of measurement end condition settings: time, temperature, torque			
Overall Dimensions	300×300×450 (mm, L*W*H)			
Net Weight	4.5Kg			
Power Supply	Input: AC100V to 230V, output: DCDC12V 2A			
Power	40W			

Name	LPLV-2	LPRV-2	LPHA-2	LPHB-2
Test Range(CP)	1*-6M	100**-40M	200**-80M	800**-320M
Rotation Rate (RPM/min)	0.1, 0.3, 0.5, 0.6, 1, 1.5, 2, 2.5, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14, 15, 16, 18, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 105, 110, 115, 120, 125, 130, 135, 140, 145, 150, 155, 160, 165, 170, 175, 180, 185, 190, 195, 200, 58 kinds in total			
Rotor	1#,2#, 3#,4#	R2, R3, R4, R5, R6, R7		
Demand Amount of Test Sample	400-500mL (According to different rotators)			
Display Information	Viscosity, rotor, rotation rate, torque%, measurement time, temperature, shear rate, shear stress			
Test Accuracy	±1% (Newtonian Fluid FS)			
Reproducibility	±0.3%			
Display Resolution	Full Range 0.1%			
Stop Mode	Three kinds of measurement end condition settings: time, temperature, torque			
Overall Dimensions	300×300×450 (mm, L*W*H)			
Net Weight	4.5Kg			
Power Supply	Input: AC100V to 230V, output: DCDC12V 2A			
Power	40W			

Viscosity unit conversion: 1Pa.s 1000mPa.s, 1P=100mPa.s, 1mPa.s=1cP, M=1,000,000, FS Full Scale

*If the measured viscosity is lower than 15cP, ULR ultra-low viscosity test accessories are required

**To measure the viscosity from the lower limit to this point, R1 rotor is required

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