



VISCOMETER LVM-A41

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Viscometer LVM-A41 a floor standing rotational viscometer used to measure viscosity of liquid sample, semi-solid sample at specified shear rates. Its viscosity ranges from 100 to 4000M (mPa.s) and offers 0.3 to 100 rpm rotation speed range. The standard configuration, sample dosage capacity offered is Rotor R1 to R7: 500ml. Designed with 5-inch color touch screen technology shows fast, accurate, reliable results, with intuitive readings, stable rotational speed, strong anti-interference performance, and curve of shear rate and viscosity. Easy operations, anti-static shell, metal lifter, temperature probe, durable axle, data transfer port, external storage supports, a lot of rotate speed options are some of the features which ensure safety of user along with ease of handling.

FEATURES

- Adopted with ARM technology, built-in Linux system
- Rich display, 5 inch color touch screen shows (dynamic and kinetic viscosity) temperature, shear rate, date, time under current rotor speed combination
- High precision automatic measurement, range calibration by computer
- Build-in temperature probe Interface (standard configuration)
- Stepless debugging (speed regulation), measures high viscosity samples
- Built-in 30 groups of test programs, real time display
- Equipped with timing measurement function
- Two RS232 interfaces with direct connection to micro printer and computer

APPLICATION

Viscometer is used in glue, latex, adhesives (solvent base), polymer solutions, oil, painting and coating, solvent, cosmetic, dairy products, semi-solid food samples, medicine, juice etc. across it tests all phase, lotion, emulsion, and general solution (liquid phase).

SPECIFICATION

Model no.	LVM-A41
Rotational speed range	0.3 to 100 rpm
Standard Rotor	Rotor R2 to R7 (6, Standard), R1 (Apolegamy)
Viscosity measurement range	Rotor R2 to R7:100 to 4000M (mPa.s)
Standard Rotor Sample Dosage	Rotor R1 to R7: 500ml
Measurement error	± 1 %
Repetitive error	± 0.5 %
Display	5 inch color touch screen
Standard configuration	Shows shear response, timing function
Real time display viscosity curve	Time-viscosity curve (standard)
	Temperature-viscosity curve (optional temperature probe)
Kinematic viscosity	Density of samples to be entered
Temperature measurement function	Standard temperature probe interface
Automatic scanning function	Automatically scan and recommend the preferred combination of rotor and rotation speed
Maximum measurement range	Automatic display of selected combinations of rotor and rotation speed. Measurable viscosity range
Memory	Built-in 30 program groups (includes rotor speed, temperature, time, etc.)
Put a seal on	Data, curve can be printed (standard print interface, need to buy printer)
Data output interface	USB, insertion of U disk, Copying data , RS232, Connection to Computer
Power Supply	AC 110V/50 HZ, AC220V/50Hz
Dimension	300 × 300 × 450 mm

OPTIONAL ROTOR DETAILS

Optional Rotors	Enhanced ultra-low viscosity adapter ULR,
	Small sample adapters (Rotor 21, 27, 28, 29)
Optional Rotor Viscosity Measurement Range	URL: 3.2 to 1K
	Rotor 21: 25 to 500K
	Rotor 27: 125 to 2.5M
	Rotor 28: 250 to 5M
	Rotor 29: 500 to 10M
Optional Rotor Sample Dosage	URL: 21 ml, Rotor 21: 7.8 ml, Rotor 27: 11.3ml, Rotor 28: 12.6 ml, Rotor 29: 11.5 ml