



The Rotational Viscometer RVDV-2H(TS) is an intelligent instrument based on ARM technology, which realizes full touch screen operation, replacing the traditional operation method of buttons and small LCD screen. It uses high-performance stepper motors and drivers to operate accurately and smoothly according to program settings. The motor drives the spindle to rotate at a constant speed through the torque sensor. When the spindle encounters viscous resistance in the liquid being measured, the force is fed back to the torque sensor, and then through corresponding internal processing and calculations, the viscosity data of the liquid being measured can be displayed.

FEATURES

- Adopt ARM technology and built-in Linux system. The operation interface is simple and clear. Viscosity testing can be performed quickly and easily through test program creation and data analysis.
- Viscosity measurements are accurate. Each measuring range is automatically calibrated by computer, with high precision and small error.
- Equipped with a spirit level. Horizontal adjustment is intuitive and convenient.
- Display content is rich. In addition to viscosity (dynamic viscosity and kinematic viscosity), there are also temperature, shear rate, shear stress, the percentage of the measured value to the full-scale value (graphical display), range overflow alarm, automatic

scanning, the maximum measurement range under the current spindle speed combination, date, time, etc. It can also display the kinematic viscosity when the density is known to meet the different measurement requirements of users.



- It can perform timer measurements, build 30 sets of test programs, access 30 sets of measurement data, display viscosity curves in real time, print data and curves, etc. (equipped with a printing interface, the printer needs to be purchased separately).
- Equipped with a USB port, data can be copied directly by inserting a USB flash drive.



TECHNICAL SPECIFICATIONS

Rotation speed (r/min)	Between 0.3 and 100– free selection		
Measuring range (mPa · s)	Spindle no. 21: 50-167k Spindle no. 27: 250-834k Spindle no. 28: 500-1.7m Spindle no. 29: 1k-3.3m	Sample volume	Spindle no. 21: sample volume 7.8ml Spindle no. 27: sample volume 11.3ml Spindle no. 28: sample volume 12.6ml Spindle no. 29: sample volume 11.5ml
Spindle	No. 21, no. 27, no. 28, no. 29 (4 pcs., standard)		
Measurement error	±2% (Newtonian fluid)	Repeat error	±1% (Newtonian fluid)
Output interface	RS232	Dimensions	300 × 300 × 450 (mm)
Kinematic viscosity	Need to enter the density of the sample		
Temperature measurement function	Equipped with temperature probe interface (Temperature probe is optional)		
Auto scan function	Automatically scans and recommends preferred combinations of spindle and speed.		
Maximum measuring range	Automatically displays the measurable viscosity range for the selected combination of spindle and speed.		
Thermostatic parts	Optional (including various special thermostatic baths and thermostatic cups for viscometers)		
Working power supply	Wide voltage operation (110v / 60hz or 220v / 50hz)		