



**Product Features:**

Viscosity Tester has the characteristics of high measurement sensitivity, reliable test results, easy operation, and beautiful appearance. It is a precision instrument used to measure the absolute viscosity of Newtonian liquids and the apparent relative viscosity of non-Newtonian liquids. It can be widely used in the measurement of various products such as grease, paint, plastic, medicine, food, coatings, adhesives, viscometers, resins, and chemical raw materials.

Viscosity Tester is a digital viscosity meter. The rotor is driven by a motor through a variable speed belt to rotate at a constant speed. When the rotor rotates in the liquid, the liquid will generate a viscosity torque acting on the rotor. The greater the viscosity of the liquid, the greater the viscous torque; conversely, the smaller the viscosity of the liquid, the smaller the viscous torque. The viscous torque acting on the rotor is detected by a sensor and the viscosity of the tested liquid is calculated after being processed by a computer. The instrument comes with 4 types of rotors (No.1, No.2, No.3, No.4) and two speed modes: stepless speed regulation and grade speed regulation. The grade speed regulation has 10 speeds (0.5, 1, 2, 2.5, 4, 5, 10, 20, 50, 100 rpm), which can measure the viscosity values of various liquids within the measurement range. It also has a temperature measurement device, which can display the temperature directly on the screen, and observe the viscosity change caused by temperature change.

Shear force and shear rate can only be displayed when the 0# rotor and small sample adapter are selected.



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**Product Introduction**

High-temperature viscometer / Megathermal Viscometer

RVT-40M-F300 high-temperature viscometer is an upgraded product of our company's digital viscometer.

High-temperature viscometer adopts more advanced mechanical design technology, manufacturing process, and microcomputer control technology, with accurate data acquisition and a high-resolution TFT display screen for clear data display and more comprehensive functions.

High-temperature viscometer features high measurement sensitivity, reliable test results, easy operation, and an elegant appearance. It is a precision instrument used to measure the absolute viscosity of Newtonian fluids and the apparent relative viscosity of non-Newtonian fluids. It can be widely used in hot melt adhesives, asphalt, paraffin, high polymers, and other products.

**Technical Parameters**

Model	RVT-40M-F300
Measurement Range	10~320,000,000 cP
Temperature Display	Available
High Temperature Furnace Heating Temperature	Ambient temperature to 300°C
Viscosity-Temperature Curve	Viscosity-temperature time curve can be output
Rotor Specifications	R21-R29 rotors
Rotor Speed	0.1-200 rpm infinitely variable speed
Automatic Mode	Can automatically select appropriate rotor number and speed
Operating Interface Selection	Chinese/English
Shear Force Display	Available
Shear Rate Display	Available (only for small adapter and rotor No.0)
Communication/Printing	Computer interface can be connected to LAWSONSQ software and printer for output
Timed Measurement Function	Can set the time to reach a specified torque, stop time (or directly measure based on the last saved parameters)
Measurement Accuracy	±1% (Newtonian fluid)
Repeatability	Full scale ±0.2%
Working Environment	Temperature 5°C~35°C, relative humidity no more than 80%
Dimensions	370*325*280mm
Power Supply	AC 220V±10% 50Hz±10%
Net Weight	9.2kg