



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.



Stainless Steel Viscometer Cup



Glass Viscometer Cup



Product Introduction

Viscosity Tester / Digital Viscometer

Viscosity Tester is an upgraded product of our company's digital viscometer. This instrument adopts more advanced mechanical design technology, manufacturing process, and microcomputer control technology. The data acquisition is correct and the display uses a high-resolution TFT display screen, which shows the data clearly and has more comprehensive functions.

This instrument utilizes microcomputer technology, allowing convenient range setting (rotor type and speed). It digitally processes the data detected by the sensor and displays on the screen the set rotor type, speed, viscosity value of the tested liquid, and its full-scale percentage value during measurement.

This precision instrument has the characteristics of high measurement sensitivity, reliable test results, easy operation, and an elegant appearance. It is designed for measuring the absolute viscosity of Newtonian fluids and the apparent relative viscosity of non-Newtonian fluids. It can be widely used in the measurement of products such as oils, paints, plastics, pharmaceuticals, food, coatings, adhesives, glue meters, resins, and chemical raw materials.

Model	LVT-6M	RVT-40M	HBT-320M
Measurement Range	10-600 million cp	10-4000 million cp	10-32000 million cp
Temperature Display	Available		
Viscosity-Temperature Curve	Can output viscosity-temperature time curve		
Rotor Specification	Rotors 1-4# 0# rotor is available for measuring low viscosity down to 0.1 mPa.s with an adapter	R2-R7 rotors	R2-R7 rotors
Rotor Speed	0.1-200 rpm with stepless speed regulation		
Auto Mode	Automatically selects suitable rotor number and speed		
Operation Interface	Chinese/English		
Shear Force Display	Available (only with small sample adapter and 0# rotor)		
Communication/Printing	Available		
Measurement Accuracy	±1% (for Newtonian liquids)		
Operating Environment: Temperature	5°C~35°C, relative humidity: not more than 80%		
Dimensions	370*325*280mm		
Power Supply	AC 220V±10%, 50Hz±10%		
Net Weight	7.2kg		