

## High-temperature Viscometer

### Introduction:

The main measurement is solid at room temperature and liquid after high temperature heating, such as asphalt, hot melt adhesive, polyethylene wax and so on. This type of viscometer is capable of withstanding and accurately measuring the flow characteristics of high-temperature fluids up to several hundred degrees Celsius.



### Features:

- \* The measured data can be displayed directly on the LCD screen without secondary calculation. < VSoft Viscometer Data Collection, Analysis and Graphing Software > can also be selected to realize data acquisition and analysis and to compile the viscosity-temperature curve.
- \* High subdivision stepper motor, accurate and stable speed.
- \* LCD liquid crystal with blue backlight function can directly display the viscosity, speed, percentile torque, spindle number and the maximum viscosity and temperature of the selected spindle at the current speed. BDV-2 series can also show shear rate and shear stress. Viscosity value shows continuous change, beyond the measurement range there is an alarm sound prompt.
- \* High-temperature furnace uses embedded integral heating, uniform heating and small thermal inertia.

### Technical Parameters:

Model	BDV-1H	BDV-1HB	BDV-1L	BDV-2H	BDV-2HB	BDV-2L
Measuring Range (mPa·s)	100~10,000,000	800~80,000,000	10~1,000,000	50~10,000,000	400~80,000,000	5~1,000,000
Rotating Speed (RPM)	0.1~99.9 (Stepless Gear)			0.1~200 (Stepless Gear)		
Number of Spindles	Spindles (21, 27, 28, 29) are equipped with the product					
Measurement Accuracy	±1% full scale range in use					
Repeatability	±0.5% full scale range in use					
Sample Capacity (mL)	10~20					
Temperature Control Range	10°C above ambient~300°C					
Power	Viscometer AC 110~220V, 50/60Hz					
Supply	Heating Furnace AC 220V, 50/60Hz; 110V, 60Hz (Optional)					
LCD Display	Viscometer	The LCD screen can display the viscosity, speed, torque spindle, temperature and the maximum viscosity can be measured in the current spindle speed value			The LCD screen can display the viscosity, speed, torque spindle, temperature, shear rate, shear force and the maximum viscosity can be measured in the current spindle speed value	
	Temperature Controller	Display setting temperature and actual measuring temperature				
Standard Accessories	Spindles (21, 27, 28, 29), temperature controller, heating furnace, RTD temperature probe					
Optional Accessories	Ultra-low viscosity adapter, spindles (L0, R1, R2, R3, R4, R5, R6, R7) (For BDV-1H, BDV-1HB, BDV-2H, BDV-2HB), spindles (L0, L1, L2, L3, L4, L5) (For BDV-1L, BDV-2L), data acquisition, analysis, and plotting software, DV programmable download software, constant temperature bath, standard solution (25°C), WR1401 viscometer wireless remote control					
Packing Size (L*W*H)	Viscometer	400*350*560mm				
	Temperature Controller	400*350*380mm				
Gross Weight	15kg					