

DV-III™ Ultra Rheometer

for measuring viscosity and yield stress

The “all-in-one” tool

to easily predict a material’s complete flow behavior

Displayed Info:

- Viscosity (cP or mPa•s)
- Temperature (°C or °F)
- Shear Rate/Stress
- % Torque
- Speed/Spindle
- Step Program Status
- Math Model Calculations

2600 Speeds to characterize a wide range of flow behavior

Built-in math models for data analysis in stand-alone mode. E.g. Casson, Bingham, Power Law

Analyze characteristics such as yield stress, flow curves, (mixing, pumping, spraying), leveling and recovery

Download custom test programs with RheoLoader software (included with instrument)

Bi-directional RS-232 PC interface provides optional computer control and automatic data gathering capability

Complete computer control using optional Rheocalc32 software lets you control all aspects of rheological testing directly from the computer



Stand-alone programming:

Enter test method steps, temperature requirements, start program, see results on built-in display

Built-in RTD Temperature Probe

Accuracy: ±1.0% of range

Repeatability: ±0.2%

USB Connectivity

What’s Included?

- Instrument
 - 6 spindles (RV/HA/HB) (p45) or 4 spindles (LV) (p45)
 - RheoLoader software ▶
 - EZ-Yield Software ▶
 - RTD Temperature Probe
 - Spindle Guard Leg*
 - Lab Stand Base
 - Carrying Case
- *Not applicable to HA or HB torque models

Optional Accessories

- Rheocalc32 Software ▶
- Ball Bearing Suspension (p50)
- Viscosity Standards (p52)
- RV/HA/HB-1 Spindle (p45)
- EZ-Lock Spindle Coupling System (p50)
- Temperature Bath (p33-35)
- Small Sample Adapter (p38)
- UL Adapter (p40)
- Thermosel (p36)
- Helipath Stand with T-bar Spindles (p42)
- Spiral Adapter (p44)
- DIN Adapter (p44)
- Quick Connect/Extension Links (p49)
- Vane Spindles (p43 & 48)
- Protective Keypad Covers (p51)

MODEL	VISCOSITY RANGE cP(mPa•s)		SPEEDS	
	Min.	Max.	RPM	Number of Increments
LVDV-IIIU	1†	6M	.01-250	2.6K
RVDV-IIIU	100††	40M	.01-250	2.6K
HADV-IIIU	200††	80M	.01-250	2.6K
HBDV-IIIU	800††	320M	.01-250	2.6K
5xHBDV-IIIU	4K	1.6B	.01-250	2.6K

† 1 cP achieved with UL Adapter accessory. 15 cP on LV with standard spindles.
 †† Minimum viscosity is achieved with optional RV/HA/HB-1 spindle.
 B = 1 billion M = 1 million K = 1 thousand cP = Centipoise
 mPa•s = Millipascal•seconds