

BROOKFIELD RHEOMETERS

DV-III+ Rheometer

Viscosity by Brookfield
the world standard

Displayed info:
Viscosity (cP or mPa•s)
Temperature (°C or °F)
Shear rate/stress
% Torque
Speed/spindle
Step program status

RS-232
Comm port
for computer
control

2600 Speeds
for incredible
characterization
possibilities

Numerical keys
for stand-alone
program data entry

RTD
Temperature
Probe



VISCOSITY
RANGE*
cP(mPa•s)

SPEEDS

MODEL	Min. Max.		Number of Increments	
			RPM	
LV DV-III+	1 [†]	2M	.01-250	2.6K
RV DV-III+	100 ^{††}	40M	.01-250	2.6K
HADV-III+	200 ^{††}	80M	.01-250	2.6K
HBDV-III+	800 ^{††}	320M	.01-250	2.6K

* Using spindles provided. Ranges can be expanded or reduced using accessories.
[†] 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.

Features and Benefits

- ▶ Sophisticated Rheometer with continuous sensing and display
- ▶ Stand-alone programming: Enter data, temperature requirements, start program, see results on built-in display
- ▶ Computer programmable using optional RheoCalc software [Page 32](#) lets you control all aspects of Rheological testing directly from the computer
- ▶ The “tool” to easily predict a material’s flow, spray, or pumping behavior by studying shear rate profiles
- ▶ Complete with appropriate spindles, RheoLoader program, power base, guard leg and carrying case
- ▶ Accuracy: ±1.0% of range
- ▶ Repeatability: ±0.2%



Standard RheoLoader software (included): Customize test criteria for routine product QC

Optional RheoCalc software: Provides automatic control of DV-III+ multiple functions

HELPFUL HINTS

1. For complete automatic control, typical accessories are: Brookfield Water Bath TC502P [Page 42](#)
Small Sample Adapter [Page 38](#)
Thermosel [Page 36](#)
Rheocalc Software [Page 32](#)
2. Need to measure two-phase materials like slurries and rapidly settling suspensions? Use vane spindles. [Page 40](#)



DV-III+CP

The DV-III+ is also available in a Wells/Brookfield Cone & Plate version. [Pages 14 & 15](#)

Beats the competition hands down. Easy to use — in the research laboratory, quality control, or production environments.

	SPINDLES (Included)	DATA DISPLAYED	OUTPUT	PROGRAM FEATURES	ACCESSORIES see reference page	SOFTWARE see reference page
	Read-out	Torque % cP (centipoise) mPa·s (milliPascal/seconds) Shear Rate Shear Stress Temperature °F/°C	0-11Kc Chart Recorder Analog torque/temperature Printer Output RS-232 PC: Data Output RS-232 PC: Full Computer Control	Time to Torque Time to Stop Customize 4 Programs Customize 10 Programs	Water Baths Thermosel Heaters Helipath Stand Spiral Adapter Small Sample Adapter UL Adapter DIN Adapter Standard Spindles Cone Spindles T-Bar Spindles Connections & Extensions Viscosity Standard	DV Loader RheoLoader Wingather Rheocalc Capcalc Rheo2000 Rheovision
4	Digital	• • • • •	• • • • •	• • • • •	41 36 37 37 38 39 39 44	47 48 28
6	Digital	• • • • •	• • • • •	• • • • •	41 36 37 37 38 39 39 44	47 48 28
6	Digital	• • • • •	• • • • •	• • • • •	41 36 37 37 38 39 39 44	47 48 28
6	Digital	• • • • •	• • • • •	• • • • •	41 36 37 37 38 39 39 44	47 48 28

M = 1 million K = 1 thousand V = variable O = optional P = poise cP = Centipoise mPa·s = milliPascal/seconds AS = Application Specific N/A = not applicable
 Note: 1. Guard leg not supplied with HA/HB Series. 2. RV/HA/HB supplied with spindles #2 - #6.