

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)
- % Torque
- Speed/Spindle
- Shear Rate/Stress
- Temperature (°C or °F)
- 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 build-in
display

Built-in RTD Temperature Probe

USB Connectivity

Accuracy: ±1.0% of range

Repeatability: ±0.2%

What's Included?

Instrument

6 spindles (RV/HA/HB) or 4 spindles (LV)

RheoLoader Software

EZ-Yield Software

RTD Temperature Probe

Spindle Guard Leg*

Lab Stand

Carrying Case

*Not applicable to HA or HB models

Optional Accessories

Rheocalc32 Software

Ball Bearing Suspension

Viscosity Standards

RV/HA/HB-1 Spindle

EZ-Lock Spindle Coupling System

Temperature Bath

Small Sample Adapter

UL Adapter

Thermosel

Helipath Stand with T-bar Spindles

Spiral Adapter

DIN Adapter

Quick Connect/Extension Links

Vane Spindles

Protective Keypad Covers

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

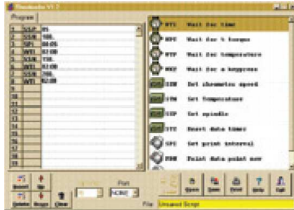
† 1 cP achieved with UL Adapter accessory. 15 cP on LV with standard spindles.
†† Minimum viscosity is achieved with optional RV/HA/HB-1 spindle.
B = 1 billion M = 1 million K = 1 thousand cP = Centipoise
mPa·s = Millipascal·seconds



RheoLoader Software Included

CUSTOMIZE YOUR TEST CRITERIA FOR ROUTINE PRODUCT QC

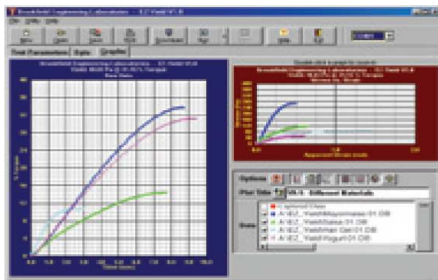
This exclusive Brookfield software allows you to create customized programs for your instrument, each with as many as 50 commands. Once a program is downloaded from a host computer, comprehensive viscosity tests can be run automatically in stand-alone mode.



EZ-Yield Software Included

GET TOTAL CONTROL OF YOUR INSTRUMENT AND TEST PARAMETERS

Yield tests can be performed with EZ-Yield software and vane spindles.



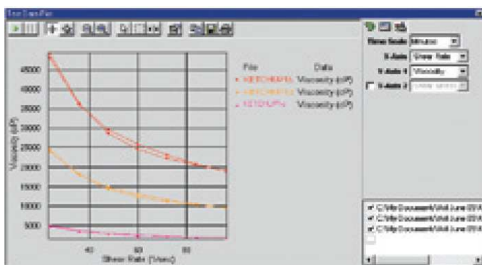
	TORQUE RANGE	SHEAR STRESS RANGE
	Pa	dyne/cm ²
LV	Contact Brookfield	
RV	.5-100	5-1K
HA	1-200	10-2K
HB	4-800	40-8K
5xHB	20-4K	200-40K

Rheocalc32 Software Optional

GET TOTAL CONTROL OF YOUR INSTRUMENT AND TEST PARAMETERS

Automatically control and collect data with Rheocalc32 and a dedicated computer. Rheocalc32 can analyze data, generate multiple plot overlays, print tabular data, run math models and perform other time-saving routines. Data can be saved in the program or exported to Excel.

- Controls test parameters with powerful scripting capabilities
- Wizard for self-guiding creation of test programs
- Looping functions for repetitive tasks
- Automates data collection to save time
- Math modeling for yield stress calculations, plastic index
- Plot up to four data sets for comparisons



DV-III CP

The DV-III Ultra is available in a Wells/Brookfield Cone & Plate Version

Must be ordered when instrument is first purchased.



The instrument shown is a DV-III Ultra. These spindles also work well with other Brookfield Viscometers.

