

NEW DV-I Prime Viscometer

The only viscometer in its class to offer continuous sensing and data display!

New Sleek look
with simple-to-use
keypad

Displayed info:

- Viscosity (cP or mPa·s)
- % Torque
- Speed/Spindle
- Temperature (°C or °F)
if optional RTD Temperature
Probe is installed

New RS-232 PC interface
for use with optional
Wingather Software

Analog outputs
for recording torque
and temperature
(optional)

18 speeds
provide great
range capability

New Direct access
to time measurement function
(time to torque, time to stop)

New Output connection to printer

Displays under/over range conditions

Auto Range Showing

- Full Scale Range (FSR) at 100%
- Maximum viscosity measured
with Spindle/Speed combination

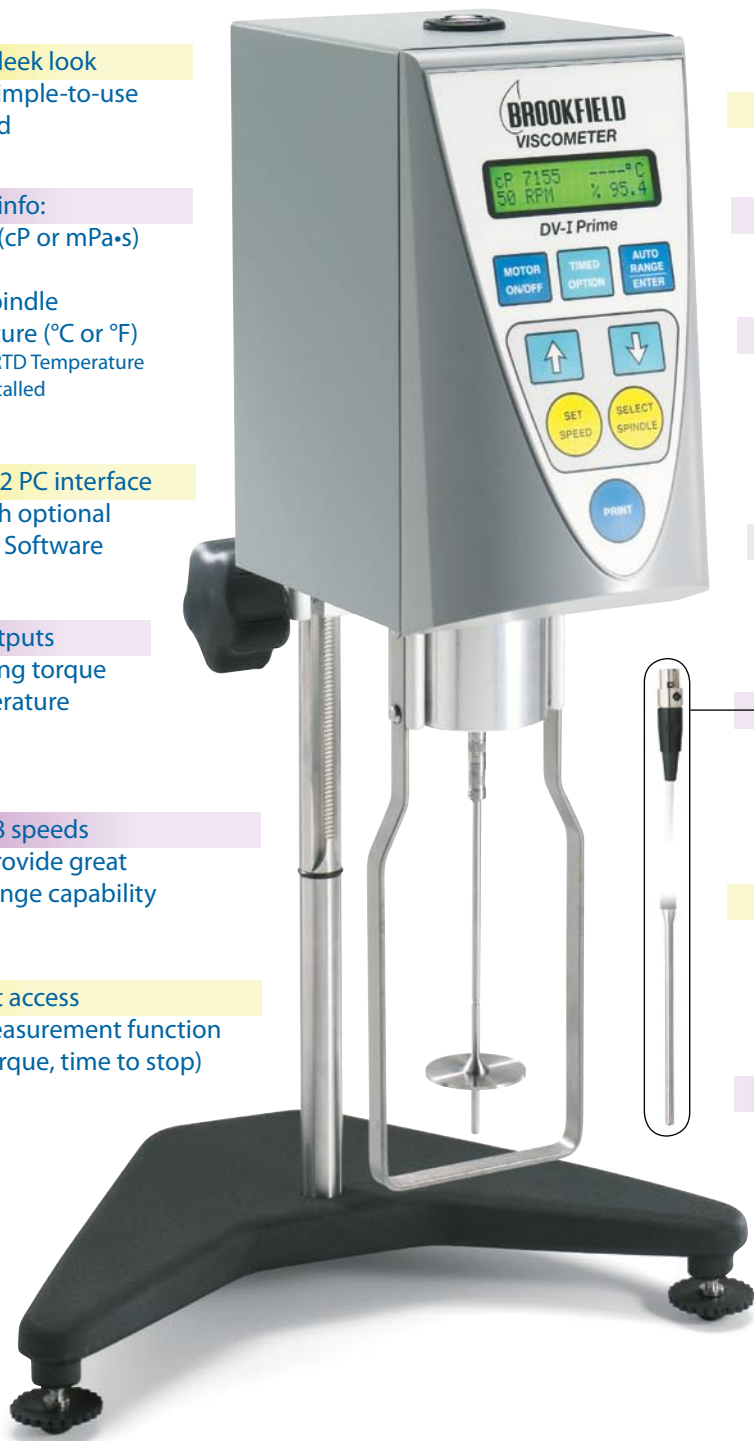
Scroll Keys

for Simple Selection
of Speed & Spindle

Optional RTD Temperature Probe DVP-94Y
Must be ordered when instrument is first purchased.

New Temperature off-set
capability to $\pm 5^{\circ}\text{C}$

Accuracy: $\pm 1.0\%$ of range
Repeatability: $\pm 0.2\%$



BROOKFIELD VISCOMETERS

What's Included?

Instrument

6 spindles (RV/HA/HB) (p39)

or 4 spindles (LV) (p39)

Spindle Guard Leg*

Lab Stand (Model S)

Carrying Case

*Not applicable to HA or HB versions

Optional Accessories

RTD Temperature Probe

NEW Ball Bearing Suspension (RV/HA/HB) (p3)

Viscosity Standards (p44)

RV/HA/HB-1 Spindle (p39)

Quick Action Lab Stand (p3)

Temperature Bath (p27)

Small Sample Adapter (p32)

UL Adapter (p34)

Thermosel (p30)

Helipath Stand with T-bar Spindles (p36)

Spiral Adapter (p38)

DIN Adapter (p38)

Quick Connect/Extension Links (p43)

Vane Spindles (p37 & 42)

All page references to 2007 Brookfield catalog



DV-I Prime CP

The DV-I Prime is available in a Wells/Brookfield Cone & Plate Version (p12)

Wingather Software Optional

Data collection software to collect, analyze and record test data

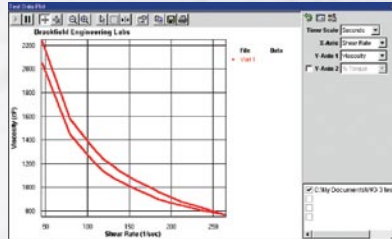
Wingather software provides an easy way to gather data and plot graphs while creating permanent test records. Data can be saved in the program or exported to Excel.

–Automates data collection to save time

–Reduces operator error

–Math modeling for yield stress calculations, plastic index

–Plot up to five data sets for comparisons



Viscosity	Speed	Torque	Shear Stress	Shear Rate	Temperature	Time Interval	Date/Time
1000.10	1.00	30.0	1.00	1.29	30.0	00:00.0	01/12/2007 12:16:17
600.29	1.50	39.0	1.35	1.94	30.1	00:00.0	01/12/2007 12:16:44
404.32	2.00	54.5	1.94	2.58	30.0	00:00.0	01/12/2007 12:17:01
530.84	2.50	37.2	1.75	3.73	30.6	00:00.0	01/12/2007 12:17:40
437.64	3.00	36.2	1.63	3.87	33.3	00:00.0	01/12/2007 12:18:00
395.63	3.50	43.2	1.89	4.65	33.0	00:00.0	01/12/2007 12:18:10
244.28	4.00	41.3	1.89	5.74	33.4	00:00.0	01/12/2007 12:18:31
175.74	45.00	30.0	2.29	13.00	33.3	00:00.0	01/12/2007 12:18:30
112.76	42.00	32.2	2.39	11.40	33.9	00:00.0	01/12/2007 12:18:44
804.27	20.00	59.9	2.72	25.00	33.1	00:00.0	01/12/2007 12:18:30
79.32	30.00	47.2	3.89	30.20	33.0	00:00.0	01/12/2007 12:19:00
55.34	30.00	79.0	3.90	44.20	32.9	00:00.0	01/12/2007 12:19:10
65.92	40.00	82.2	3.89	72.40	32.9	00:00.0	01/12/2007 12:19:24

Model Selection Table Brookfield DV-I Prime Viscometers

Viscosity	**MODEL	VISCOSITY RANGE cP(mPa-s)		SPEEDS		
		Min.	Max.	RPM	Number of Increments	Number of Spindles Supplied
Low	LVDV-IP	1*	2M	.3-100	18	4
Medium	RVDV-IP	100	13M	.3-100	18	6
High	HADV-IP	200	26M	.3-100	18	6
High	HBDV-IP	800	104M	.3-100	18	6

* Minimum ranges can be extended to as low as 1 cP with the use of Brookfield Accessories

** Standard torque range values M = 1 million cP = Centipoise mPa-s = Millipascal/seconds

Applications

Consider application and viscosity range when selecting model (LV, RV, HA, HB)

LV SERIES – LOW VISCOSITY

Adhesives (solvent base)
Biological Fluids
Chemicals
Dairy Products
Inks
Juices
Oils / Solvents
Pharmaceuticals
Polymer Solutions

RV SERIES – MEDIUM VISCOSITY

Adhesives (hot melt)
Asphalt (SHRP)
Ceramic Slurries
Food Products
Gums
Ointments / Creams
Paints / Inks / Coatings
Paper Pulp
Shampoos / Lotions

HA/HB SERIES – HIGH VISCOSITY

Caulking Compounds / Putty
Chocolate
Epoxies
Inks (ballpoint, offset, lithographic)
Pastes
Peanut Butter
Roofing Compounds
Sealants
Tars



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