

# DV-I™ Viscometer

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

## Displayed Info:

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

**RS-232 PC Interface** for use with optional Wingather Software

**Analog outputs** for recording torque and temperature

**18 speeds** provide great range capability

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

**Output connection to printer**

## Auto Range Showing

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

**Scroll keys** for simple selection of speed & spindle

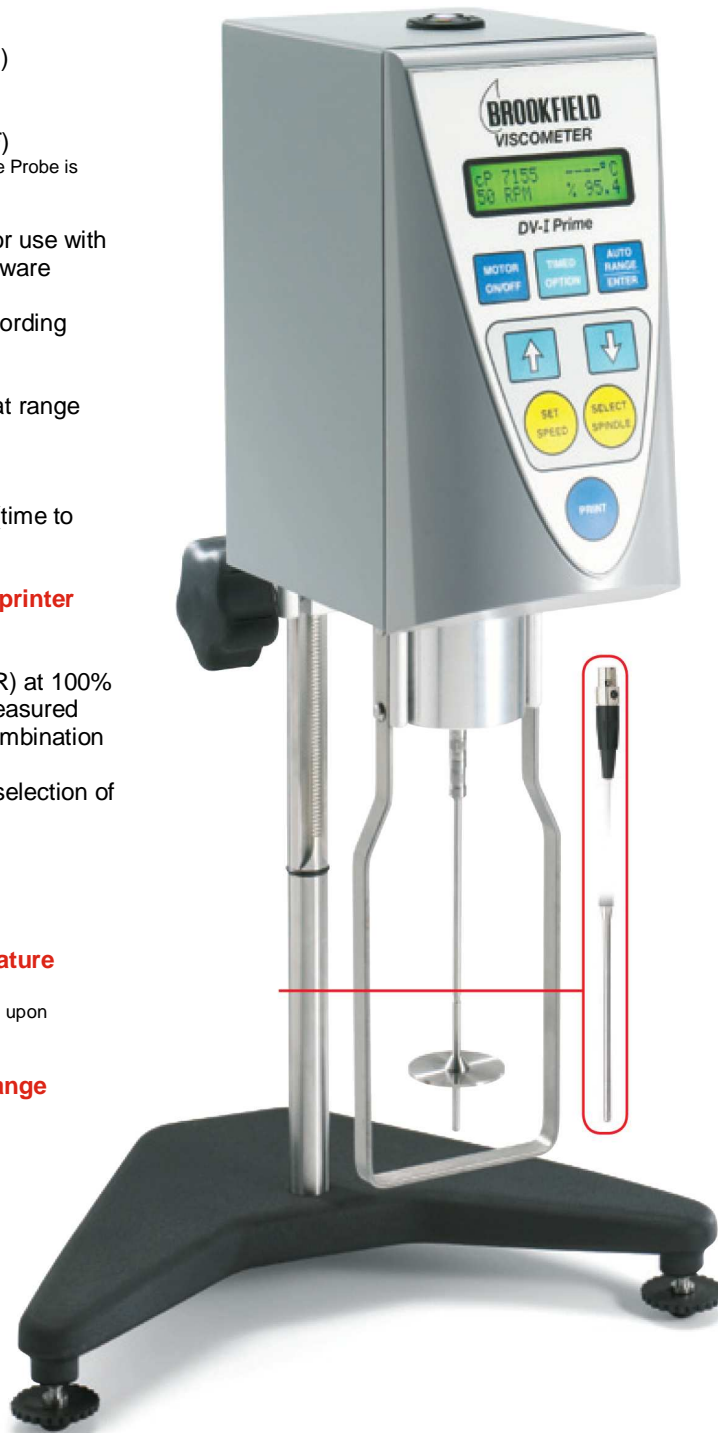
**Temperature off-set** capability to  $\pm 1^\circ\text{C}$

## Optional RTD Temperature Probe DVP-94Y

Instrument must be configured upon purchase.

**Accuracy:  $\pm 1.0\%$  of range**

**Repeatability:  $\pm 0.2\%$**



## What's Included?

Instrument

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

Spindle Guard Leg\*

Lab Stand (Model S)

Carrying Case

\*Not applicable to HA or HB models

## Optional Accessories

Wingather Software

RTD Temperature Probe

Ball Bearing Suspension (RV/HA/HB)

Viscosity Standards

RV/HA/HB-1 Spindle

Quick Action Lab Stand

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
<b>LVDV-IP</b>	1*	2M	.3-100	18
<b>RVDV-IP</b>	100	13M	.3-100	18
<b>HADV-IP</b>	200	26M	.3-100	18
<b>HBDV-IP</b>	800	104M	.3-100	18

\* 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



ISO 9001 Certified

TEL 800-628-8139 or 508-946-6200

FAX 508-946-6262

www.brookfieldengineering.com

## 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.

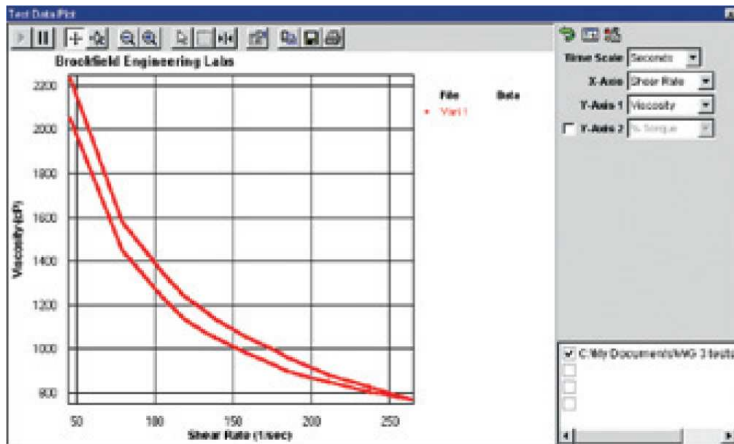
- Automates data collection to save time
- Reduces operator error
- Math modeling for yield stress calculations, plastic index
- Plot up to four data sets for comparisons



## DV-I Prime CP

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

Must be ordered when instrument is first purchased.



Viscosity	Speed	% Torque	Shear Stress	Shear Rate	Temperature	Time Interval	Date/Time
1006.50	1.00	30.9	1.40	1.29	34.0	00:00.4	01/12/2007 12:16:17
698.29	1.50	29.8	1.35	1.94	34.1	00:26.2	01/12/2007 12:16:44
606.32	2.00	34.5	1.96	2.50	34.0	00:16.6	01/12/2007 12:17:01
530.04	2.50	37.7	1.78	3.23	33.6	00:46.4	01/12/2007 12:17:49
427.64	3.00	36.5	1.65	3.87	33.5	00:11.3	01/12/2007 12:18:01
389.63	5.00	41.2	1.87	6.45	33.5	00:00.2	01/12/2007 12:18:10
344.28	6.00	41.7	1.89	7.74	33.4	00:10.4	01/12/2007 12:18:21
173.74	10.00	50.0	2.27	12.90	33.3	00:00.4	01/12/2007 12:18:30
152.90	12.00	52.2	2.37	15.40	33.2	00:14.4	01/12/2007 12:18:46
105.27	20.00	59.9	2.72	25.00	33.1	00:12.4	01/12/2007 12:18:59
79.32	30.00	67.7	3.07	38.70	33.0	00:09.2	01/12/2007 12:19:09
55.54	50.00	79.0	3.38	64.50	32.9	00:05.9	01/12/2007 12:19:16
49.97	60.00	85.3	3.87	77.40	32.9	00:06.8	01/12/2007 12:19:24

