

# DV-I+ Viscometer

Viscosity by Brookfield  
the world standard

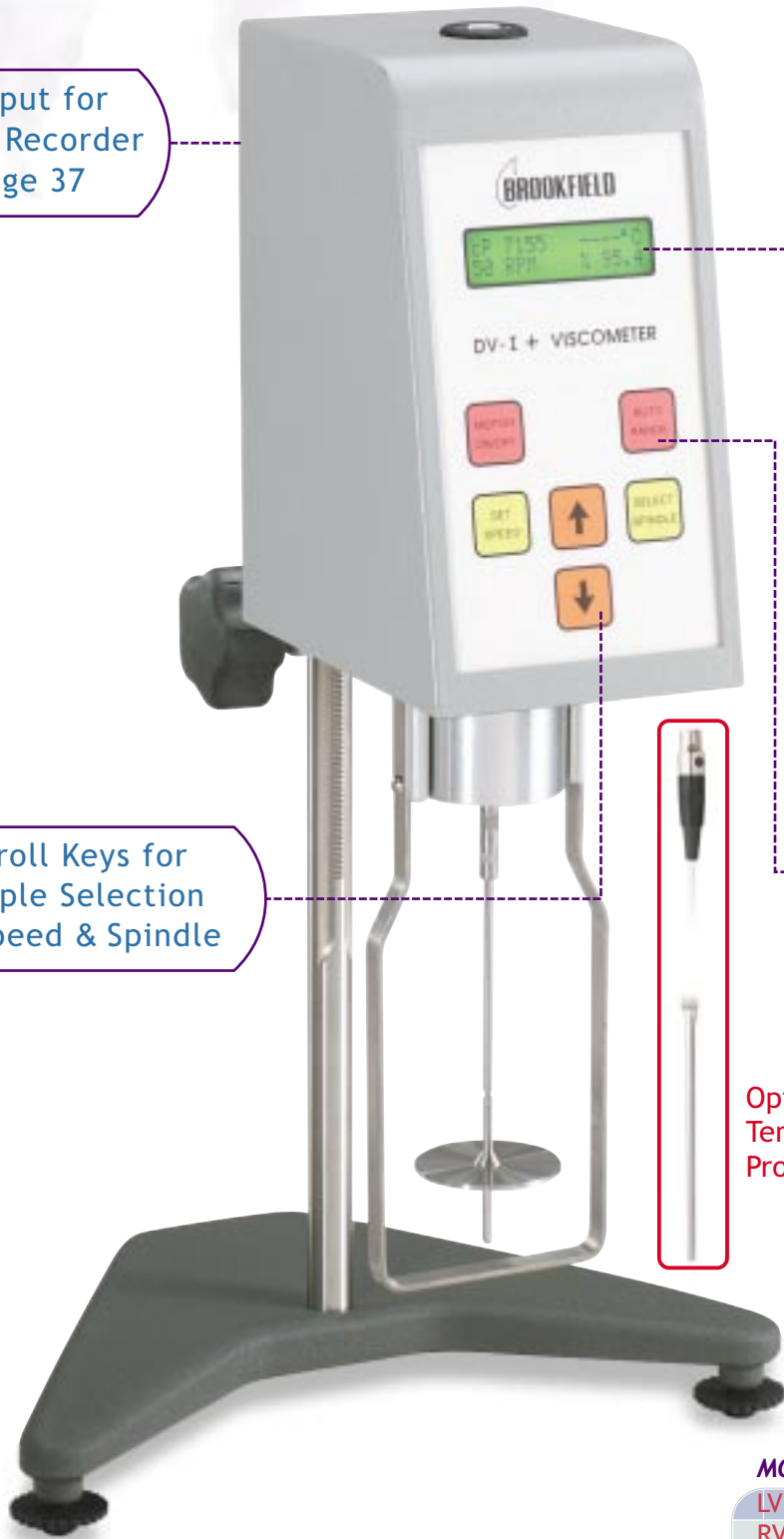
Output for  
Chart Recorder  
Page 37

Displayed info:  
Viscosity (cP or mPa•s)  
% Torque  
Speed/Spindle  
Temperature (°C or °F)  
if optional RTD is installed

Scroll Keys for  
Simple Selection  
of Speed & Spindle

Auto Range Showing  
Viscosity Limits

Optional RTD  
Temperature  
Probe #DVP-94Y



VISCOSITY  
RANGE\*  
cP(mPa•s)

SPEEDS

MODEL	Min. Max.		SPEEDS	
			RPM	Number of Increments
LV DV-I+	1 <sup>†</sup>	2M	.3-100	18
RV DV-I+	100 <sup>††</sup>	13M	.3-100	18
HA DV-I+	200 <sup>††</sup>	26M	.3-100	18
HB DV-I+	800 <sup>††</sup>	104M	.3-100	18

Tel: 800.628.8139 or 508.946.6200  
Fax: 508.946.6262 www.brookfieldengineering.com

\* 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

- ▶ 18 Speeds provide great range capability
- ▶ Continuous sensing and data display
- ▶ Optional RTD sensor for sample temperature monitoring
- ▶ Built-in auto timing functions (time to torque, time to stop)
- ▶ Simple-to-use keypad
- ▶ Auto range key for predetermining viscosity limits
- ▶ Displays under/over range conditions
- ▶ Analog outputs for recording torque and temperature
- ▶ Complete with appropriate spindles, viscometer stand, guard leg and carrying case.
- ▶ Accuracy:  $\pm 1.0\%$  of range
- ▶ Repeatability:  $\pm 0.2\%$

## HELPFUL HINTS:

1. *Do you need temperature measurement?*  
Order the DV-I+ with optional RTD temperature sensor.
2. *For sample temperature control:*  
See the Brookfield water baths. [Pages 41-43](#)
3. *The DV-I+ cannot be used with a PC.*  
If this is a future possibility, a DV-II+ would be a better choice.



DV-I+CP

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

The Brookfield DV-I+ is commonly used in quality control or lab production areas.

		DATA DISPLAYED				OUTPUT				PROGRAM FEATURES				ACCESSORIES see reference page				SOFTWARE see reference page															
	SPINDLES (included)	Read-out																															
		Torque %	cP (centipoise)	mPa·s (millipascal seconds)	Shear Rate	Shear Stress	Temperature °F/°C	0-1Vdc 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	Thermoseal Heaters	Helipath Stand	Spiral Adapter	UL Sample Adapter	DIN Adapter	Standard Adapter	Cone Spindles	T-Bar Spindles	Connections & Extensions	Viscosity Standard	DV Loader	RheoLoader	Wingrater	Rheocalc	Capcalc	Rheo2000	Rheovision
4	Digital	.	.	.	.	0	.	.	.	.	.	.	.	.	.	41	36	37	37	38	39	39	44	47	48	28							
6	Digital	.	.	.	.	0	.	.	.	.	.	.	.	.	.	41	36	37	37	38	39	39	44	47	48	28							
6	Digital	.	.	.	.	0	.	.	.	.	.	.	.	.	.	41	36	37	37	38	39	39	44	47	48	28							
6	Digital	.	.	.	.	0	.	.	.	.	.	.	.	.	.	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. Specify voltage and frequency when ordering. 2. Guard leg not supplied with HA/HB Series. 3. RV/HA/HB supplied with spindles #2 - #6.