

Wells/Brookfield™ Cone & Plate

for small samples

Determine absolute viscosity
of small samples (0.5 – 2.0 mL)

Available in these models

- DV3T Rheometer
- DV2T Viscometer
- DV-I Prime Viscometer

Accuracy: ±1.0% of range

Repeatability: ±0.2%

Electronic Gap Adjustment™

- Simplified setup
- Accurate
- Easy-to-use

RTD Temperature Sensor

in Sample Cup (Optional)
provides direct measurement of
sample temperature

Control Sample Temperature

using a Brookfield circulating
water bath (p27)

Rapid temperature control

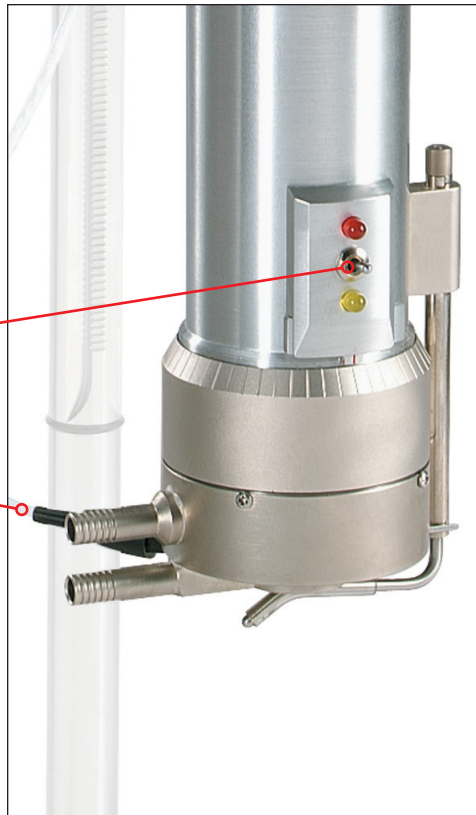
due to small sample size

Temperature Range:

- 1°C to 100°C

Precise shear rates

for determining a material's flow
curve behavior



What's Included?

- Instrument
- Lab Stand
- Choice of one Cone Spindle
- Sample Cup

Optional Accessories

- Embedded Temperature Probe in Sample Cup
- Luer and Purge fittings
- Ball Bearing Suspension
- Additional Cone Spindles
- Viscosity Standards
- Circulating Temperature Bath
- RheocalcT Software ▶
(DV3T & DV2T only)
- Wingather Software ▶
(DV-I Prime only)
- Protective Keypad Covers

Viscosity Range* cP(mPa*s)

MODEL	Cone Spindle: CPA-40Z Sample Volume: .5mL Shear Rate (sec ⁻¹): 7.5N		Cone Spindle: CPA-41Z Sample Volume: 2.0mL Shear Rate (sec ⁻¹): 2.0N		Cone Spindle: CPA-42Z Sample Volume: 1.0mL Shear Rate (sec ⁻¹): 3.84N		Cone Spindle: CPA-51Z Sample Volume: .5mL Shear Rate (sec ⁻¹): 3.84N		Cone Spindle: CPA-52Z Sample Volume: .5mL Shear Rate (sec ⁻¹): 2.0N		SPEEDS			
	.1 - 3K	.5 - 11K	.2 - 6K	2 - 48K	3 - 92K	.01 - 250	2.6K	.2 - 3K	.6 - 11K	.3 - 6K	2 - 48K	4 - 92K	.01 - 200	54
DV3TLVCP	.1 - 3K	.5 - 11K	.2 - 6K	2 - 48K	3 - 92K	.01 - 250	2.6K	.2 - 3K	.6 - 11K	.3 - 6K	2 - 48K	4 - 92K	.01 - 200	54
DV2TRVCP	.2 - 3K	.6 - 11K	.3 - 6K	2 - 48K	4 - 92K	.01 - 200	54	.3 - 1K	1 - 3K	.6 - 2K	5 - 16K	9 - 30K	0.3 - 100	18
LVDV-IPCP	.3 - 1K	1 - 3K	.6 - 2K	5 - 16K	9 - 30K	0.3 - 100	18	1 - 32K	5 - 122K	2 - 64K	20 - 512K	39 - 983K	.01 - 250	2.6K
DV3TRVCP	1 - 32K	5 - 122K	2 - 64K	20 - 512K	39 - 983K	.01 - 250	2.6K	1.6 - 32K	6 - 122K	3 - 64K	25 - 512K	49 - 983K	.01 - 200	54
DV2TRVCP	1.6 - 32K	6 - 122K	3 - 64K	25 - 512K	49 - 983K	.01 - 200	54	3 - 10K	12 - 41K	6 - 21K	51 - 170K	98 - 327K	0.3 - 100	18
RVDV-IPCP	3 - 10K	12 - 41K	6 - 21K	51 - 170K	98 - 327K	0.3 - 100	18	2.6 - 65K	10 - 245K	5 - 128K	41 - 1M	78 - 2M	.01 - 250	2.6K
DV3THACP	2.6 - 65K	10 - 245K	5 - 128K	41 - 1M	78 - 2M	.01 - 250	2.6K	3 - 65K	12 - 245K	6 - 128K	51 - 1M	98 - 2M	.01 - 200	54
DV2THACP	3 - 65K	12 - 245K	6 - 128K	51 - 1M	98 - 2M	.01 - 200	54	6.6 - 21K	24 - 81K	12 - 42K	102 - 341K	196 - 655K	0.3 - 100	18
HADV-IPCP	6.6 - 21K	24 - 81K	12 - 42K	102 - 341K	196 - 655K	0.3 - 100	18	10.5 - 261K	39 - 982K	20 - 512K	163 - 4M	314 - 7.8M	.01 - 250	2.6K
DV3THBCP	10.5 - 261K	39 - 982K	20 - 512K	163 - 4M	314 - 7.8M	.01 - 250	2.6K	13 - 261K	49 - 982K	25.6 - 512K	204 - 4M	393 - 7.8M	.01 - 200	54
DV2THBCP	13 - 261K	49 - 982K	25.6 - 512K	204 - 4M	393 - 7.8M	.01 - 200	54	26 - 87K	98 - 327K	51 - 170K	409 - 1M	786 - 2.6M	0.3 - 100	18
HBDV-IPCP	26 - 87K	98 - 327K	51 - 170K	409 - 1M	786 - 2.6M	0.3 - 100	18							

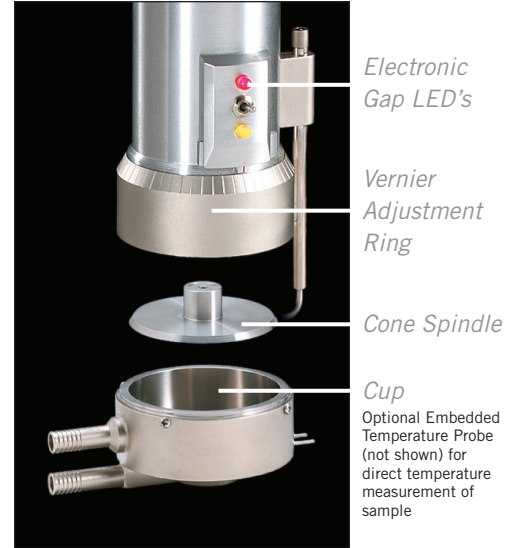
M = 1 million K = 1 thousand cP = Centipoise mPa*s = Millipascal*seconds mL = Milliliter N = RPM e.g. Spindle CPA-40Z 7.50 x 10 (rpm) = 75.0 sec⁻¹
* Dependant upon cone selected.

RheocalcT Software Optional for DV2T and DV3T

GET TOTAL CONTROL OF YOUR INSTRUMENT AND TEST PARAMETERS

Automatically control and collect data with RheocalcT and a dedicated computer. RheocalcT can analyze data, generate multiple plot overlays, print tabular data, run math models and perform other time-saving routines. Up to five comparison data sets can be plotted and saved. Other features include:

- Wizards to guide you through the creation of common tests
- Secure 21CFR features including multiple logins, access levels, digital signatures, and data storage in a password-protected database
- Looping functions for repetitive tasks
- Averaging of collected data by step or whole test
- Math models: Bingham, Casson, Casson NCA/CMA, Power Law, IPC Paste, Herschel-Bulkley, Thix Index

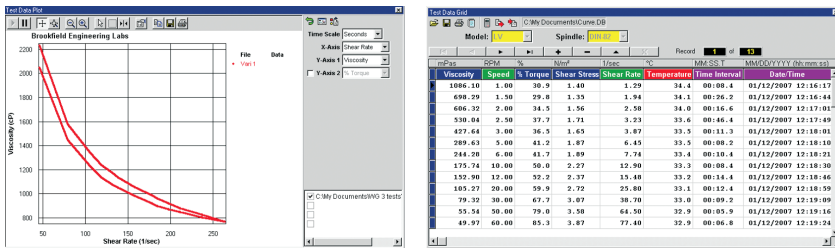


Wingather Software Optional for DV-I Prime

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



Optional Sample Cup

The Optional Sample Cup has luer and purge fittings for introducing and removing test sample while cup remains attached to instrument

