

Brookfield brings full compliance to stand-alone instruments!

DVNe^{xt}

CONE/PLATE RHEOMETER

- Quick Set up with New Viscosity Wizard and Digital Leveling
- Ethernet and LIMS Connectivity
- Updated Gap Settings
- Compliant to 21 CFR Part 11 in Stand-alone Mode



BROOKFIELD
AMETEK[®]



DVNTMNext

CONE/PLATE RHEOMETER

The all-in-one tool for measuring viscosity and yield stress while complying with 21CFR Part 11 and GAMP.



FEATURES - For Standard and Compliant Versions

7-inch Full Color Touch Screen Display

- Enhanced Controls
- Real Time Graphing
- Supports Multiple Languages

Displayed Info:

- Viscosity (cP or mPa•s)
- Temperature (°C or °F)
- Shear Rate/Stress
- % Torque
- Speed/Spindle
- Step Program Status
- Math Model Calculations

Viscosity Wizard

Built-in math models for data analysis in stand-alone mode. E.g. Casson, Bingham, Power Law, Thix Index

Integrated Temperature Control with connection to AMETEK Brookfield TC series Baths and AP/SD Controllers or AMETEK Brookfield Thermosel System.

Stand-alone Programming

RTD Temperature Probe

Accuracy: ±1.0% of range

- Displayed with test data

Repeatability: ±0.2%

Analyze characteristics such as yield stress, flow curves (mixing, pumping, spraying), leveling and recovery

USB PC Interface provides optional computer control and automatic data collection capability

Digital Leveling

Internal Data Storage: 150 MB

Date and Time Stamp File

GAMP*

21 CFR Part 11 Compliant*

- Customizable User Access
- Electronic Signatures
- Uneditable PDFs
- Automated Archived Audit Trail

Built-In Options

- Math Modeling
- Temperature Control
- Yield Tests
- Programmable QC Limits, Alarms and End Conditions

* Only available in Compliant Version.

WHAT'S NEW?

	STANDARD VERSION	COMPLIANT VERSION
Viscosity Wizard	Included	Included
Digital Leveling	Included	Included
Automated Oscillation Test	Included	Included
Updated Gap Setting	Included	Included
Gel Timer Functions	Included	Included
Barcode Scanning	Optional	Included
Ethernet Connectivity	n/a	Included
LIMS Connectivity	n/a	Included
Compliance to 21 CFR Part 11	n/a	Included

OPTIONAL ACCESSORIES

- RheocalT Software
- Label Printer
- Bar Code Scanner
- Ball Bearing Suspension (standard in high torque instruments)
- Viscosity Standards
- Quick Action Lab Stand
- Temperature Bath
- Embedded Temperature Probe in Sample Cup
- Luer and Purge Fittings
- Additional Cone Spindles
- Protective Touchscreen Covers
- Gel Timer Specific Coupling Assembly

VISCOSITY RANGE
cP(mPa•s)

SPEEDS
(2600 available)

This chart covers cones 40, 41, 42, 51 and 52.

MODEL	Min.	Max.	RPM	Number of Increments
DVNXLV	0.1	92K	.01-250	2.6K
DVNXRV	1	983K	.01-250	2.6K
DVNXHA	2.6	2M	.01-250	2.6K
DVNXHB	10.5	7.8M	.01-250	2.6K

K = 1 thousand
cP = Centipoise
mPa•s = Millipascal•seconds

M = 1 million

