

# Brookfield brings full compliance to stand-alone instruments!

# DVNe<sup>xt</sup>

## RHEOMETER

- Quick Set up with new Viscosity Wizard and Digital Leveling
- Ethernet and LIMS Connectivity
- Single-handed Spindle Installation and Removal
- Compliant to 21 CFR Part 11 in Stand-alone Mode



Material Characterization At Its Best!



# DVN<sup>TM</sup>Next 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

**Cone/Plate Version** (Not applicable to magnetic coupling)

### 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
Magnetic Coupling System	Optional	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  
 Vane Spindles  
 Ball Bearing Suspension (standard in high torque instruments)  
 Viscosity Standards  
 RV/HA/HB-1 Spindle  
 Magnetic Coupling System  
 Quick Action Lab Stand  
 Temperature Bath  
 Small Sample Adapter  
 UL Adapter  
 Thermosel  
 Helipath Stand with T-bar Spindles  
 Spiral Adapter  
 DIN Adapter  
 Gel Timer Specific Coupling Assembly

### VISCOSITY RANGE

cP(mPa•s)

### SPEEDS

(2600 available)

MODEL	Min.	Max.	RPM	Number of Increments
DVNXLV	1†	6M	.01-250	2.6K
DVNXRV	100††	40M	.01-250	2.6K
DVNXHA	200††	80M	.01-250	2.6K
DVNXHB	800††	320M	.01-250	2.6K

†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.

B = 1 billion M = 1 million K = 1 thousand  
 cP = Centipoise mPa•s = Millipascal•seconds

