

# 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



# 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

### Cone/Plate Version

#### 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

#### GAMP

#### 21 CFR Part 11 Compliant

Customizable User Access  
Date and Time Stamp File  
Electronic Signatures  
Uneditable PDFs  
Automated Archived Audit Trail

#### Built-In Options

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

## WHAT'S NEW?

### Viscosity Wizard

To be up and running quickly

### Digital Leveling

To ensure when testing you are always level

### Automated Oscillation Test

Confirms proper operation

### Ethernet Connectivity

For ease of saving your data

### LIMS Connectivity

Always have your data where you need it

### Compliance to 21 CFR Part 11

In Stand-alone mode

### Magnetic Coupling System

For quick one handed installation and removal of spindles

### Barcode Scanning

To make work easier and accurate

### Updated Gap Setting in Cone/Plate versions

### Gel Timer Functions

In standard configurations

## OPTIONAL ACCESSORIES

RheocalcT 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

