

DVNext Rheometer

AMETEK Brookfield's Latest, Full-Featured Rheometer, with Optional 21 CFR Part 11 Compliant Version.



Quick Set-up with New Viscosity Wizard and Digital Leveling



Compliant Versions Include Ethernet and LIMS Connectivity



Single-Handed Spindle Installation and Removal



Optional Compliance to 21 CFR Part 11 in Stand-Alone Mode



MODEL COMPARISON	Standard	Compliant
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

What's Included

- Instrument
- 6 RV/HA/HB Spindles or 4 LV Spindles
- RTD Temperature Probe
- Spindle Guard Leg*
- Lab Stand (Model G)
- Screen Protector
- 4 GB Flash Drive (Includes Operator Instructions)
- Carrying Case

*Not applicable to HA or HB versions

*Spindle recognition with barcode reader

DVNext Rheometer

The all-in-one instrument for measuring viscosity and yield stress. Also available in Cone/Plate version.

Features

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, and Thix Index.

Integrated Temperature Control

Connected to AMETEK Brookfield TC series Baths with AP/SD Controllers or AMETEK Brookfield Thermosel System.

Stand-alone Programming

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.

Internal Data Storage: 150 MB

Date and Time Stamp File

Built-In Options

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

Optional Gel Timer functionality using unique magnetic coupling

GAMP*

21 CFR Part 11 Compliant*

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

*Only available in Compliant Versions

Optional Accessories

- RheocalcT Software
- Label Printer
- Barcode Scanner
- Ball Bearing Suspension (Standard in high torque instruments)
- Viscosity Standards
- Magnetic Coupling System
- Small Sample Adapter
- UL Adapter
- Spiral Adapter
- DIN Adapter
- Temperature Bath
- Thermosel
- Helipath Stand with T-bar
- Spindles
- 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.

B = 1 billion M = 1 million K = 1 thousand

cP = Centipoise mPa•s = Millipascal•seconds

†† Minimum viscosity is achieved with optional RV/HA/HB-1 spindle