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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



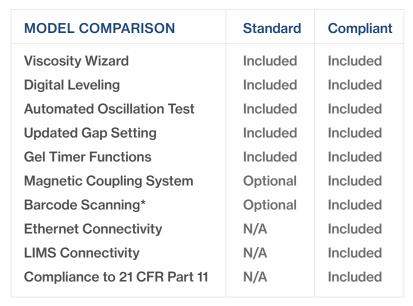
Compliant Versions Include Ethernet and LIMS Connectivity

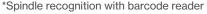


Single-Handed Spindle Installation and Removal



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







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

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

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 DVNXRV DVNXHA DVNXHB	1† 100†† 200†† 800††	6M 40M 80M 320M	.01-250 2.6K .01-250 2.6K .01-250 2.6K .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

^{*}Only available in Compliant Versions