

DVNext™ Quick Start Guide

Instrument Operation Instructions and Product Registration



As a part of AMETEK Brookfield's sustainability initiative, we have now moved to a digital download format for instrument operation instructions (manuals). For a free download to obtain your manual, simply follow the steps below:

- Access the 'Manuals' section of the AMETEK Brookfield online store navigation bar using the following link or QR code: <https://store.brookfieldengineering.com/manuals/>
 - For customers outside of the US, you may need to access your regional AMETEK Brookfield online store.
- Sign in to the online store to access your account.
 - You may need to create a free account if you do not have one already.
- Navigate to your instrument.
- Download your manual by using the link provided.
- To ensure faster support, please visit the following link to register your instrument: <http://www.brookfieldengineering.com/contactus/register-product>



Scan for Manual

Instrument Setup



- Assemble the Model G Laboratory Stand (refer to assembly instructions in Appendix K of the manual).
- Put the rheometer on the stand.
- Connect the RTD probe to the socket on the rear panel of the DVNext and connect the power cord.
- Remove the shipping cap. For Cone/Plate Models, hold the Sample Cup and swing the tension bar away from the bottom of the cup. Lower the cup and remove the foam insert. (Save for future shipments.)

Power Up



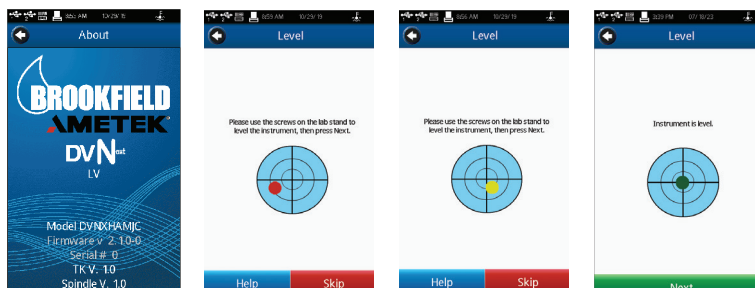
- Turn on the DVNext. If the login screen appears, the password for the administrator login is admin.

Digital Leveling



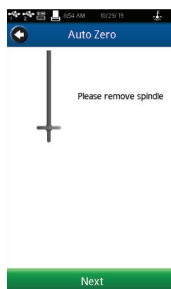
- After start-up, User will be prompted to level the DVNext, follow the on-screen instructions.

Note: if the DVNext is level, there will be no prompt for leveling.





- Once leveling is complete, an AutoZero must be performed before making a viscosity measurement.



Configure Viscosity Test

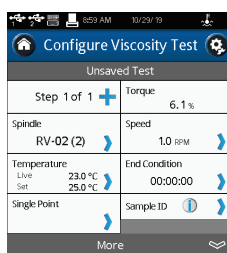


- If using the barcode scanner, ensure proper operation by scanning the barcode prior to initial use.

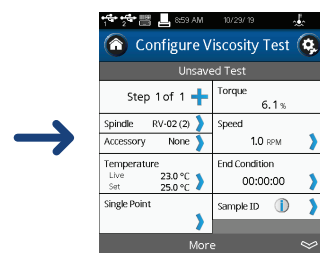


- In this screen, select spindle and speed. Confirm that Data Collection is set to Single Point and End Condition is set to Time 00:00:00.

Note: DVNext Compliance has additional Accessory information. See figures.

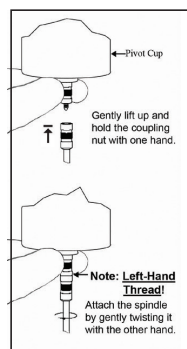


Standard

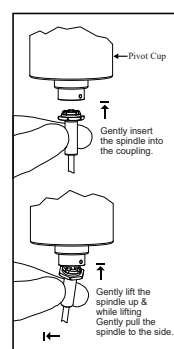


Compliance

- Immerse the spindle gently at an angle into the test sample.
- Lower the DVNext using the lab stand.
- Attach the spindle to the coupling nut. Note: Left-hand thread. If equipped with magnetic coupling, use the appropriate procedure to connect the spindle (see Section III.5 of User Manual).



Threaded

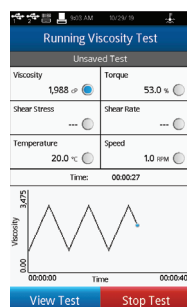


Magnetic

Installation

Removal

- Align the immersion mark on the spindle to the fluid surface by adjusting the lab stand.
- Press the Run button, take appropriate action for pop-up dialogs. The screen will change to the Running Viscosity Test Screen.



- When ready to record the measurement results, press the Stop Test button. Take appropriate action for pop-up dialogs. The screen will change to the Results Table. Record the % torque and viscosity and then press OK.
- To run another test, press Configure Test. To return to the Home Menu, press the Home Icon.
- For more detailed information, please refer to the Operating Instructions: Manual No; M19-2101.
- For proper use with barcode scanner, refer to Section III.7 of the Operating Instructions.