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DV2Plus Quick Start Guide

Instrument Operation Instructions and Product Registration

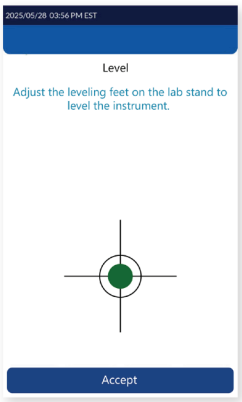
As a part of AMETEK Brookfield's sustainability initiative, we have moved to a digital download format for instrument operation instructions (manuals). For a free download to obtain your manual, simply follow the steps below:

- Access the Resource Library on the AMETEK Brookfield website by using the following link or QR code https://www.brookfieldengineering.com/resourcelibrary
- Navigate to the manual for 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 Resource Library

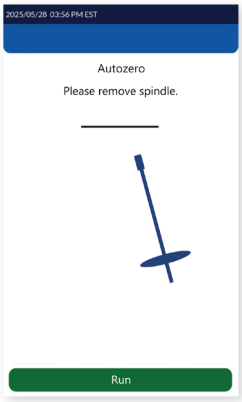
Instrument Setup

- Assemble the Model G Laboratory Stand (refer to the Appendix of the manual for instructions).
- Insert the Viscometer into the stand.
- Remove the shipping cap. Save the shipping cap and instrument packaging for future shipments.
- Connect the RTD probe (optional) to the temparature socket on the rear panel of the DV2Plus.
- Insert power cord into the power supply and connect to a properly grounded power source. Connect the power supply to the DV2Plus.
- Power up the DV2Plus using the power switch at the rear.
- If the login screen appears, the administrator default password is "admin".
- Level the viscometer using the two leveling feet on the base. Adjust them until the digital level on the front of the DV2Plus is green and centered within the circle.



AutoZero

- Ensure that no spindle or coupling is attached.
- Press the "Run" button to perform an AutoZero.
- Do not touch or disturb the viscometer to prevent any interference during the AutoZero process.



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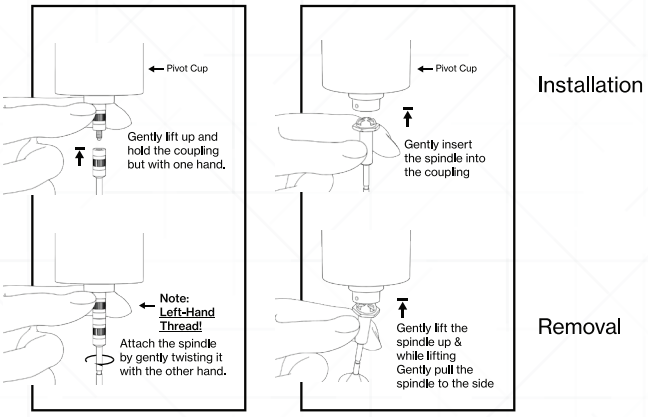
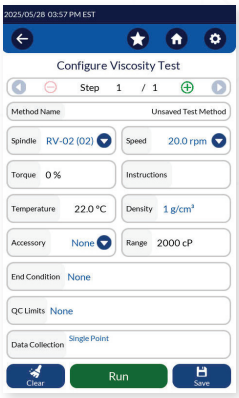
Configure Test

- **Select Spindle and Speed:**
  - In the "Configure Test" screen, select the appropriate spindle and speed. Ensure the Data Collection mode is set to "Single Point" and the End Condition is set to “None”.

- **Immerse the Spindle:**
  - Gently immerse the spindle at an angle into the test sample to avoid introducing air bubbles.
  - Attach the spindle to the coupling nut (left-hand thread). If using a magnetic coupling, follow the procedures outlined in Section “Select a Spindle/Speed” of the User Manual.

- **Adjust Spindle Depth:**
  - Adjust the spindle using the lab stand to ensure the immersion mark aligns with the fluid surface. Ensure there are no air bubbles under the spindle.

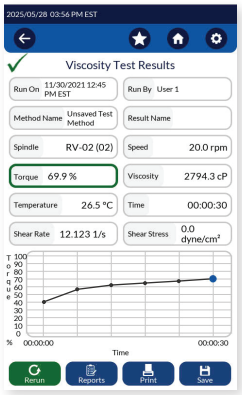




Please refer to the 'Making Viscosity Measurement' in the DV2Plus Operation Instructions for additional information.

Running a Test

- Press the "Run" button. If there are any pop-up dialogs, take the appropriate action. The screen will switch to the Running Viscosity Test screen, where you can monitor live data.
- Press the "Stop Test" button to halt the process.
- Once the test is finished, the screen will change to the Results Table. Press the "Save" button to store your results, and then press "OK".
- To run another test, either press rerun or the back arrow to return to the configure screen.



Final Steps

Cleanup: Carefully remove the spindle and clean the components as described in the manual. Ensure no residue is left behind, and follow cleaning instructions to avoid damaging the equipment.

Storage: Store the viscometer and accessories in a dry, clean environment.
For more detailed instructions and troubleshooting, refer to the full operating manual.

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