Brookfield DV2T/DV3T release notes for firmware version 1.2.2

Major reason for release
- Torque Filtering.

Highlight of Improvements in 1.2.2
- Torque Filtering.

Highlight of Bug Fixes in 1.2.2
- Made RheoCalcT speed control act the same as standalone mode - setting speed to 0 does not power off the motor.
- Fixed printing issue with large labels spooling an extra empty label.
- Fixed ADC_TO_TOV calibration setting calculation.
- Fixed temperature offset selection being cleared upon reboot.

Known issues in 1.2.2
- Temperature controller needs to be toggled with test connection before it will connect reliably. DV3T
- A multi-step test that has speed changes between steps will show a spike (or drop) in viscosity until the motor has ramped to the correct speed. This can cause QC limit warnings to go off when they should not.
  - Work around: Include a 5 second ramp step when changing speeds that does not have any QC limits enabled.
- When using # revs as an endpoint and running at speeds higher than 120RPM, the test will sometimes end too soon.
  - Work around: Include a 5 second ramp step to make sure the instrument is running at the target speed before starting your rev count.
- Occasional issues with corrupt USB freezing instrument. DV2T & DV3T
- QC limit warnings sometimes occur when they shouldn’t or do not occur when they should. DV2T & DV3T
- Minor inconsistencies in font size when displaying languages other than English. DV2T & DV3T
- Printing issues: DV2T & DV3T
  - Overlapping text with large numbers or languages other than English.
  - Problems wrapping text with large data sets.
  - Error codes when printing data sets that over run print buffer.
  - Long result notes won’t print correctly.
  - Some text is not translated when printing.
- Scrolling: Sometimes a single tap of the scroll bar will cause the screen to scroll to the bottom as if it were being held down. DV2T & DV3T
- QC values when kinematic viscosity unit is set are calculated incorrectly in the bar graph view. DV2T
- While running a test, sometimes the live graph will stop drawing. The points are still being collected and will appear again on the graph result screen. DV3T
- While running a very long test (around 24 hours or more) and leaving the screen on the “Test View” Mode, sometimes the display will lock up, require a reboot and potential loss of data. DV3T
  - Work around: While leaving a long-running test on, leave it on graph mode rather than test mode.
• Backup and Restore can take a very long time to complete and seem to freeze up the instrument if you are either backing up or restoring an instrument with a very large amount of data on it or if you are using a USB that is very near to being full.
  o Work around: Use an empty USB for backups and regularly clear out old tests and data from the instrument that you no longer need.

• Error codes: DV2T & DV3T
  o 70-33-6-4 and 70-32-0-4
  o 67-6-1-4, 67-23-0-4 and 67-39-0-4
  o 89-1-0-4 and 89-3-0-4
  o 19-9-700-4
  o 51-8-0-4
  o 66-6-1-4
  o 54-3-0-4
  o 50-0-0-4
  o 49-14-5000-4
  o 42-4-0-4
  o 5-22-4-4 and 5-22-1-4
  o 29-26-255-4
  o Work around: After encountering one of the above errors, touch the “Continue” button. If the error persists, reboot the instrument and try again. If error persists after rebooting, call for service.