Improvements in DYNAMICS Touch™ Software

Introduction

This document highlights the most important enhancements, changes, and bug fixes for DYNAMICS Touch users. Some of the changes are subtle, while others involve changes in calculations and terminology that existing users should be aware of. Please contact us at support@wyatt.com if you have any questions or suggestions.

Contents

Revision History

DYNAMICS Touch 2.0.1.164

Bug Fixes and Miscellaneous Changes
- **Added:** New alarms for laser monitor to detect when the laser is stabilizing. (S-23949)
- **Fixed:** The "ELS signal is too low" is falsely triggered. (D-23891)

DYNAMICS Touch 2.0.1.146

Bug Fixes and Miscellaneous Changes
- **Fixed:** The firmware communication alarm can be falsely triggered during startup. (D-23754)

DYNAMICS Touch 2.0.1.142

Bug Fixes and Miscellaneous Changes
- **Fixed:** The firmware communication alarm is not removed when the issue is resolved. (S-23570)

DYNAMICS Touch 2.0.1.140

New Features
- **Added:** Ability to switch between radius and diameter for size. (S-17244)
- **Added:** Quick conductivity feature. (S-22480)

Bug Fixes and Miscellaneous Changes
- **Added:** Complete the workflow save all possible data and results if one or more parts of a workflow are aborted or do not work. (S-22112, S-22480, 22543, 22554, 22556)
- **Added:** New Data Quality rule when the ELS detector is saturated. (S-22990)
- **Added:** New Data Quality rule when no Rh is available for the Henry Zeta potential model. (S-22995)
- **Added:** New RF Detector malfunctioning alarm. (S-23265)
- **Added:** New firmware communication error alarm. (D-22825)
- **Fixed:** Connected user message does not go away without a reboot after DYNAMICS has disconnected. (D-22638)
- **Fixed:** No cuvette detected error message is not colored. (D-23096)

DYNAMICS Touch 2.0.0.840

New Features

- **Added:** Support for ZetaStar instrument, new sample cells/cuvettes, and other accessories. (S-16798)
- **Added:** Zeta Potential and Size workflow. (S-08244)
- **Added:** Particle Concentration and Zeta Potential workflow. (S-17743)
- **Added:** Adaptive Collection Mode for Zeta Potential workflows. (S-21640)
- **Added:** Support for Atlas. (S-20171)

Bug Fixes and Miscellaneous Changes

- **Added:** Volume and serial number information to the cuvette profiles. (S-21942)
- **Added:** New and updated Particle Materials in the Sample properties. (S-19709)
- **Added:** Ability to manually edit cuvette profiles. (S-20246)
- **Added:** Ability to repeat a workflow on the results page. (S-22030)
- **Added:** Ability to reset Measurement Settings back to the defaults. (S-20397)
- **Added:** The instrument's network port number is visible on the Settings page. (S-21312)
- **Added:** When downloading results, the name of the result file is used for the downloaded zip file. (S-21860)
- **Added:** Performing cuvette calibration or measuring the solvent offset can be canceled. (S-21942)
- **Added:** The current page number is remembered when navigating between the Results view and an experiment's results. (S-20594)
- **Fixed:** Setting the acquisition time on DYNAMICS Touch does not work. (D-19057)
- **Fixed:** Creating a new solvent inherits the last used parameters instead of the defaults. (D-19738)
- **Fixed:** DYNAMICS Touch will restart if the instrument is configured incorrectly. (D-22593)
- **Fixed:** The report does not use the correct number format for small numbers. (D-19727)

DYNAMICS Touch 1.1.2.101

New Features

- **Added:** Ability to measure turbidity. (S-17637)

Bug Fixes and Miscellaneous Changes

- **Added:** Ability to name the experiment on the summary page of the workflow. (D-16748)
- **Fixed:** The PDF for the results can be blank. (D-18294)
- **Fixed:** The previous used name appears in the field when attempting to save a preset. (D-18626)

DYNAMICS Touch 1.1.1.66

Bug Fixes and Miscellaneous Changes

- **Fixed:** Addressed an issue where newer versions of DYNAMICS Touch files were imported incorrectly into DYNAMICS. (D-17420)
- **Fixed:** Addressed an issue where the incorrect font was being used for the reports. (D-17421)

DYNAMICS Touch 1.1.1.5

New Features

- **Added:** The Particle Concentration workflow. (S-15565)
- **Added:** Ability to access the user's guide. (S-07767)
- **Added:** Ability to access DYNAMICS Touch via a mobile device (in Beta). (S-15488)
- **Added:** Ability to boot DYNAMICS clients from the instrument. (S-15981)

Bug Fixes and Miscellaneous Changes

- **Changed:** Added a new splash screen for the about dialog. (S-16509)
- **Fixed:** Addressed an issue where the DLS Only flag was not being saved correctly. (D-17005)
- **Fixed:** Addressed an issue where the user could not set the temperature. (D-17010)
- **Fixed:** Addressed an issue where a collection was allowed at a temperature where there was no solvent offset. (D-17137)
- **Fixed:** Addressed an issue where the user is unable to select options in the create solvent, instrument status, or measure offset dialogs. (D-17188)
- **Fixed:** Addressed an issue where the "SLS Intensity Too Low" rule is not being triggered. (D-17189)
- **Fixed:** Addressed an issue where cuvette calibrations with the same name could be created. (D-17261)
- **Fixed:** Addressed an issue where there was a noticeable lag before seeing results after a collection. (D-17263)
- **Fixed:** Addressed an issue where the setpoints were different between cell temperature and temperature pages. (D-17231)

DYNAMICS Touch 1.1.0.418

New Features

- **Added:** Bench serial number is visible in the instrument settings. (S-16411)

Bug Fixes and Miscellaneous Changes

- **Changed:** Tapping on the Measure Size or Molar Mass and Size buttons does not jump to the summary page. (S-16413)
- **Changed:** The firmware version and instrument configuration are now part of the DYNAMICS Touch experiment files. (D-16882)
- **Fixed:** Addressed an issue where the peak values appeared on top of each other on the regularization graph. (D-16658)
- **Fixed:** Addressed an issue where the setting the temperature to 20 degrees did not apply correctly. (D-16746)
- **Fixed:** Addressed an issue where the auto attenuation settings were not validated upon entry. (D-16798)
- **Fixed:** Addressed an issue where the traces in the status graph had the wrong timestamp. (D-16848)
- **Fixed:** Addressed an issue where a user is allowed to collect data even if no solvent is selected. (D-16870)
- **Fixed:** Addressed an issue where the selected cuvette was not updated correctly. (D-16922, D-16917)
- **Fixed:** Addressed an issue where a user could not download DYNAMICS Touch experiments when the instrument was setup using a static IP address. (D-16931)
- **Changed:** Disabled landscape mode for mobile devices. (S-16510)

DYNAMICS Touch 1.1.0.356

This is the initial release of DYNAMICS Touch.