GENESYS ON-BOARD SOFTWARE RELEASE NOTES

ABOUT THIS DOCUMENT

This document contains a version history of GENESYS On-board Software™ Release Notes, including new features that may not be included in the User's Guide, resolved issues and known issues.

This software release note applies only to GENESYS 40/50/140/150/180 and the Biomate 160 instruments.

GENESYS ON-BOARD SOFTWARE V1.0

Release Date: February 2018

NEW FEATURES

Initial Release, all features are new

RESOLVED ISSUES - NONE

Initial release, there are no resolved Issues

KNOWN ISSUES

None

GENESYS ON-BOARD SOFTWARE V1.1

Release Date: February 2018

NEW FEATURES

Software is fully translated in Chinese and Japanese

Instrument initialization checking

Instrument status error checking	Warning message	Action to correct the error
Grating homing failed	Initialization failed	Restart the instrument
Filter wheel homing failed	Initialization failed	Restart the instrument
Zero-order search failed	Initialization failed	Restart the instrument
Cell changer homing failed	No cell changer is detected	Place cell changer in the compartment
Wavelength calibration failed	Wavelength calibration failed	Restart the instrument
Dark current measurement failed	Dark current measurement failed	Restart the instrument
Beam is partially blacked	Beam is blocked	Ensure the beam is not blocked and restart

In Fixed application during measurement time, a live display of most recently measured data or selected row data is shown on top of sample table. This live display data field is not shown in Data Viewer after the experiment is ended

In Sipper set up page, allows users to add a configurable Prompt step where they can enter text to display at this step

In Quant application, show selected standard and selected sample absorbance/concentration pair in the plot

In Scan application, show cursor wavelength and ABS/%T values in the plot

The display of Scan application Peak Pick page is updated to show peak/valley numbers in the plot and in the table

All the application's settings are allowed to be modified until a valid Blank is complete

RESOLVED ISSUES

Instrument initialization "Lost Communication" issue is greatly improved
Instrument initialization "Dark Screen" issue is greatly improved
Kinetics running with Reference wavelength issue is resolved

KNOWN ISSUES

None

GENESYS ON-BOARD SOFTWARE V1.2

Release Date: July 2018

NEW FEATURES

The new Multi-Wavelength application allows measurement of up to 20 different wavelengths.

Internationalization – English, German, Italian, Japanese, Korean, Chinese, Spanish, French, Russian, Thai, Portuguese and Polish languages are now supported.

Users can now setup a header for generated reports. The 'Company Name' and 'Description' fields allow users to personalize the reports to their company and applications.

Access control for Normal Mode. Lab managers can setup the instrument to require a password to exit SmartStart and enter into the Normal Mode. This allows controlling creation, editing and saving of data.

Performance Verification Schedule feature allows configuration of a user defined schedule such that a notification is displayed when the scheduled time has elapsed indicating that a the corresponding test needs to be re-run.

User-defined expiration of Calibration data allows lab managers to enforce re-calibration of Quant or Colorimetric standard curves.

Power Save mode for VIS instruments now allows users to enable auto-shut off of the Tungsten lamp to extend lamp life even when the instrument is powered on. The instrument will turn on the lamp and suggest a warm-up time to ensure the quality of measurement is acceptable.

ENHANCEMENTS

Method settings used for a measurement can now be viewed in the Data Viewer by using the slide-right gesture.

Considerable improvements to time required to perform a Scan have been implemented

RESOLVED ISSUES

There existed an issue where the direction of flow of analytes when using a sipper was causing confusion. This issue has been fixed by setting the direction of flow to be consistent with the popular nomenclature.

KNOWN ISSUES

None

GENESYS ON-BOARD SOFTWARE V2.0

Release Date: March 2019

NEW FEATURES

This version of software brings the power of the GENESYS instruments to Breweries and Food Safety applications. With this version of software, it is now possible to purchase a activation key and activate:

BeerCraft Software for GENESYS has 20 built-in methods to simplify QA/QC testing in-house.

FoodSentry Software for GENESYS has 19 built-in methods along with the ability to customize templates and workflows.

Contact your sales representative to find out more about these!

ENHANCEMENTS

It is now possible to toggle the Wavelength Accuracy PV test between ABS and %T

RESOLVED ISSUES

None

KNOWN ISSUES

None

GENESYS ON-BOARD SOFTWARE V2.1

Release Date: April 2019

NEW FEATURES

Easily sort the BeerCraft methods

Added Spanish and Portuguese translation for BeerCraft methods

Added JEPG as Export data format option for all application

Allow including Data Viewer in Smart Start mode

ENHANCEMENTS

Updated and enhanced calibration and measurement workflow for BeerCraft Quant methods

Quant Application printed reports now include a standards table. The report layout has been improved for better readability

Reports now export data with 5 decimal places in exported CSV reports

Users can now enter 5 digits in the quant standard curve concentration field

RESOLVED ISSUES

Multi-wavelength application can now display data in %T

Display Protein Pierce Rapid BCA methods in Protein BCA home page

Cell changer operation was buggy under Protein Applications. This has now been fixed

An issue with exporting PV data over network has been fixed

An issue of displaying disk usage for some European languages has been fixed

KNOWN ISSUES

None

GENESYS ON-BOARD SOFTWARE V2.2

Release Date: July 2019

NEW FEATURES

Chinese input keyboard now available
Portuguese and Spanish language translations available
A new Stray Light test with SRE 340 filters added to Performance validation

ENHANCEMENTS

Improved report headers by adding method information on every printed page for continuity and traceability
Updated wavelength accuracy test from 472.7nm to 585.7nm.

RESOLVED ISSUES

Sort by date functionality for methods is now functional
Software freeze issues during drift and scan have been resolved
Other performance optimizations

KNOWN ISSUES

None

GENESYS ON-BOARD SOFTWARE V2.3

Release Date: October 2019

NEW FEATURES

None

ENHANCEMENTS

Updated the peak picking algorithm to improve wavelength accuracy performance verification.
Change to the wavelength used when measuring the repeatability in the wavelength accuracy method of the performance verification tests to 585.7nm.

RESOLVED ISSUES

None

KNOWN ISSUES

None

GENESYS ON-BOARD SOFTWARE V2.4

Release Date: December 2019

NEW FEATURES

Use the instrument serial number as the backdoor password in kiosk mode to comply with California legislation SB-327.

ENHANCEMENTS

None

RESOLVED ISSUES

Fixed an error in the Rate calculation in the Kinetics method.

KNOWN ISSUES

None

GENESYS ON-BOARD SOFTWARE V2.5

Release Date: April 2020

NEW FEATURES

Added the full list of pre-programmed assay methods to the GENESYS 180. Previously available only on the BioMate 160, these life science methods include various modules for measuring nucleic acid and protein concentration.

ENHANCEMENTS

Operating System updated to version 1.3

RESOLVED ISSUES

Modified the data interval range in the Kinetics method to have a minimum value of 1 second.
The pass/fail criteria for the Wavelength Accuracy Performance Verification tests have been corrected so passing results will include values that are ≤ the tolerance limit rather than < the limit.

KNOWN ISSUES

None

GENESYS ON-BOARD SOFTWARE V2.6

Release Date: August 2020

NEW FEATURES

No new features.

ENHANCEMENTS

A new 6-point calibration method is added to improve wavelength accuracy on the UV-Vis instruments (GENESYS 50, GENESYS 150, GENESY 160 and GENESYS 180). If the UV-Vis instrument is performing within the wavelength accuracy specification this update is not required.

This improvement requires a proprietary calibration technique that involves updating the firmware on instrument. Factory service may be scheduled by emailing <us.depot-repair@thermo.com>

RESOLVED ISSUES

None

KNOWN ISSUES

None

GENESYS ON-BOARD SOFTWARE V2.7

Release Date: October 2020

NEW FEATURES

None

ENHANCEMENTS

Add feature to track standards serial number/record set info in Gabriel utility

RESOLVED ISSUES

Resolved qualification issue with new Wi-Fi dongle.
Change wavelength repeatability assessment method from peak to peak to STD, pass criteria is kept at ≤ 0.2nm

KNOWN ISSUES

None

GENESYS ON-BOARD SOFTWARE V3.0

Release Date: September 2022

NEW FEATURES

Add optional functionality of "GENESYS Smart QC" software application

ENHANCEMENTS

None

RESOLVED ISSUES

Resolves the display of "unknow" of settings

KNOWN ISSUES

None

GENESYS ON-BOARD SOFTWARE V3.1

Release Date: November 2022

NEW FEATURES

Upgrade SMB1 protocols to SMB2 protocols

ENHANCEMENTS

Increase font size & highlight text of logic operator result in GENESYS Smart QC application
Update title "Lot" to "Batch" in GENESYS Smart QC application

RESOLVED ISSUES

None

KNOWN ISSUES

None

GENESYS ON-BOARD SOFTWARE V3.2

Release Date: August 2023

NEW FEATURES

None

ENHANCEMENTS

Kinetics application now supports measuring multiple samples. These experiments can be printed and exported in their multi-sample configuration.
Rate calculation in kinetics can be done by selecting the samples to calculate.

RESOLVED ISSUES

Remove issue where the expiration continues to display red for "Wavelength Accuracy – Xenon" once verification test is re-run.

KNOWN ISSUES

None

GENESYS ON-BOARD SOFTWARE V3.3

Release Date: March 2024

NEW FEATURES

None

ENHANCEMENTS

Increase to 5 decimal places reported in the export files and printer reports.
Increase the maximum sample number from 500 to 1000.
Add data from the standard curve in the Quant experiment export files.

RESOLVED ISSUES

Update report to display %T instead Abs().
Resolved the error message shown at the top of the touch screen when sipper or Peltier is connected.

Resolved the measure button being disabled during measurement acquisition if sipper is attached.

KNOWN ISSUES

None

HOW TO CONTACT US

Current contact information is located at [www.thermofisher.com.](www.thermofisher.com) Select the "Support" icon at the top of the screen