Product Bulletin

FoamDDI 1.16 Software Release

Partners & End Users - All Regions

January, 2025

Summary: This software update includes 2 new features to improve user experience, and a pre-release of 2 new foam applications for FoamDDI, and a number of other fixes.

Import/Export Calibrations

Users can now export (and import) the module's calibration to USB for the purpose of back-up or transferring to a different LogicBox.

New Test Methods

2 new test methods are now available ASTM D1881, and Amines. Please contact Visaya for more information and how to configure the instrument to run these new methods.

Playback Video Markers

Added markers on the playback video slider to indicate where the sample starts foaming and stops foaming.

General Improvements

Enhanced Stability: Addressed multiple recurring software and hardware connectivity issues to ensure smoother operations.

Firmware Updates: Updated camera firmware to eliminate frequent disconnection errors and improve synchronization.

Diagnostics Screen Upgrades: Improved the reliability of lighting diagnostics, ensuring consistent performance.

Fixes

Timer Accuracy and Realism: Introduced a percentage rather than a timer for better clarity of test progress.

Enhanced Connectivity: Stability improvements to prevent frequent disconnections. This includes Cameras specifically and Modules as a whole.

Diagnostic Lighting Errors/Issues: Light switches reworked to remove the "Ghost Clicks" as well as the errors that were caused.

Module Order Broken: Module settings were fixed so that changing the module order will now persist without having to restart.

Module Alias: Module Alias now completely replaces the top header and when defined, no longer displays the default name.

False Totalizer & Flow Time-Out Errors: Previously the totalizer timer was inaccurate, a new timer was implemented that is more accurate and eliminates false errors.

Seq IV Reporting: The reporting for Seq IV now properly reports Total Volume Increase, and it has been extended to include the Sample Level (per Method D6082).

Camera Temperature Error Handling and Display: Cameras used on existing units might not include a heatsink, and will run hot. In some cases they might overheat. This is mostly relevant during repetitive Seq IV tests. The following changes have been made to address the problem:

- All modules now include cameras with appropriate heat sinks (starting early 2024)
- Thermal management (via software) optimizes cameras for low heat.
- Module warning messages will indicate when the cameras are running hot.

Please contact Service@ayalytica.com for more information and a link to download this new revision. This software is still compatible with Gen 1 FoamDDI Modules, although some older modules do not support the audible alert.