

## Release Notes 1.5.0

### New features

- Added a new Settings/Database settings option to require prepDATA to connect to prepASH using an encrypted connection (SSL/TLS).

### Bug fixes

- Corrected the statistics calculation so that results with the same name from different steps are no longer incorrectly combined.
- Resolved an issue where groups used for statistical calculations always produced NaN (Not a Number) or 0.00 g when the group name was numeric or had been trimmed.
- Corrected various spelling errors.
- Fixed errors in the report for ASTM coal and coke methods and measurements. The report now correctly displays the interrupt after the Moisture 2 Step and accurately reflects whether "open manually" is enabled for this step.
- Temperature ramp steps following an interrupt are now executed correctly.

## Release Notes 1.4.0

### New features

- Automatic time synchronization now supports custom NTP servers.

### Miscellaneous

- During coal measurement, "Temperature not reached" is triggered for specific steps if the target temperature is not reached within 120 minutes (previously 30 minutes).

### Bug fixes

- Enforced Windows file name restrictions for sample list names, method names, and analysis names.
- Fixed an issue where the USB drive was incorrectly disconnected.
- Improved audit trail export performance.
- Fixed an incorrect link in the menu.
- Made the export data format more transparent.
- prepDATA no longer displays outdated measurements in Live Watch.
- Entering an apostrophe no longer causes a database error.
- Fixed incorrect calculation of sample positions.

## Release Notes 1.3.1

### Bug fixes

- Improvement of temperature adjustment.

## Release Notes 1.3.0

### New features

- Start an analysis with an external weighing-in list or reuse a weighing-in list from a previous analysis.

### Miscellaneous

- Optimized temperature control.
- Adjusted the temperature report: terminology and calculation updated.

### Bug fixes

- Fixed an issue with password expiration. Password now expires correctly.
- Login attempts can no longer display negative values.
- Fixed a bug that blocked the shutdown function on the login screen.

## Release Notes 1.2.0

### New features

- Save reports (PDF) and LIMS files (JSON) in a shared network folder.

### Miscellaneous

- The default method "Basic-Check" is now available to all users.
- Default methods for temperature calibration and/or adjustment have been updated and are now available to all users.

### Bug fixes

- Fixed an issue where ASTM coal and coke methods incorrectly displayed additional results.
- Prevented the busy indicator from appearing in chart screenshots used in the report.

## Release Notes 1.1.0

### New features

- ASTM coal and coke is officially part of the software.

### Miscellaneous

- The default methods for temperature calibration or/and adjustment have been updated.

### Bug fixes

- It is no longer possible to enter anything, either with an HID or virtual keyboard, while the busy indicator is displayed.
- The virtual keyboard is automatically displayed again on the login screen.

- The "end" button is now always active when the cover is open, allowing the temperature calibration or adjustment to be completed.
- The exhaustion is now switched off correctly after the temperature calibration or adjustment.

## Release Notes 1.0.5

### Bug fixes

- The software no longer needs to be restarted to change the sample plate a second time.
- Rapid pressing of the buttons no longer leads to a cancellation of the weighing process.
- The report for the temperature adjustment or calibration can only be created if it was successful.
- If the busy indicator (dotted circle) is displayed, the virtual keyboard remains hidden, and no entries are possible.
- Audit trail: Password requirement changes are now logged.
- Audit trail: If no user is logged in, "System" is displayed instead of leaving the field empty.
- Audit trail: The administrator can now make manual entries.
- Fixed an issue where a blocked user was unnecessarily logged out if they were already logged out.
- A failed automatic printout after an analysis no longer blocks the software.
- The "end" button is now always active when the cover is open, allowing the analysis to be completed.
- Weighing individually/individually: The correct field in the table is now always highlighted in grey.

## Release Notes 1.0.4

### New features

- Errors, warnings, or required user interventions are now shown directly on the screen in standby mode.
- After leaving the standby mode, the login screen appears.
  - During an analysis, glowing or temperature calibration/adjustment, only the administrator or the user who started the process can log in.
  - Otherwise, any user can log in.
- Users are automatically logged out after completing an analysis, glowing, or temperature calibration/adjustment.

### Miscellaneous

- Additional results terminology updated (Relative to: End value step x)
- Report layouts have been standardized for consistent formatting.
- If a user is locked out during an analysis due to too many incorrect password attempts, the administrator can complete the analysis for them.
- During password entry, the number of remaining login attempts is displayed if this option is enabled in the user settings (User management/Password/Password requirements/Login attempts).
- When opening the mechanical adjustment, the reference position is approached first.
- Restricted users are now allowed to use the gas application.
- The search function is now available in additional areas, such as selecting a method, setting the default printer, or selecting the time zone.
- A warning message is displayed when attempting to deactivate the auto stop function.

### Bug fixes

- Changing the sample plate no longer causes the software to freeze.
- Balance software now updates correctly.
- Screensaver: Password entry correct keyboard language.
- Screensaver: Password entry are no longer overlaid by other info/warning/error messages.
- Analysis: Automatic report printouts no longer block the cover from opening.
- Analysis: Auto stop and deactivate sample menu now updates correctly.
- Analysis: Incorrect reference in the calculation.

## Release Notes 1.0.3

### New features

- Disable checkweigher during weighing using the 'Ignore check' button.
- Sample plate change is now integrated into the analysis workflow at the start.
- Redesign temperature calibration and adjustment.
  - New method type: Temp. adjustment/calibration
- Button bar updates (Balance, Linearisation, Gas, Mechanic, Audit trail, Glow crucible, Database, Method, Import/Export and Analysis).
  - New icons
  - Repositioning of the buttons
- Direct feedback when entering formulas for the free results (the input window changes color).
- Extension of the interrupt screen for adding additions during the analysis.
- Redesign user management
  - New user type: Restricted
  - User rights changed
- Incorrect password, if a user is locked out during an analysis due to too many incorrect password attempts, the system cancels the analysis and logs the user out.

### Miscellaneous

- Report terminology updated in the settings (Report/Analysis/Note).
- Automatic report output is now configured in the settings (Analysis settings/Automatic report output) rather than being method-specific.
- Analysis report updated
  - Show only relevant information
  - Decimal places in the statistics and results adjusted
  - Data combined to save space
- Design of all lists standardized for consistency.
- Cooling phase before the measurement is removed (if the temperature is above the temperature of the first step).
- Search function relocated above the button bar.
- Measuring end optimised
  - Data is saved directly after the measurement and the report is also printed out immediately if configured. No need to wait for the prepASH to cool down.
- Any additional results must be defined at the start of the analysis.
- Bad balance adjustment, you are notified if the balance was incorrectly adjusted before weighing in any mode (all/individually, all/all or individually/individually).

### Bug fixes

- Glow crucible: Fixed display error in chart and updated chart legend.
- Glow crucible: Now finishes correctly.
- Blackout: Corrected analysis time.
- Blackout: Fixed gas display error in chart.
- Blackout: Heating now starts immediately after a blackout.
- Screensaver: No longer blocks the analysis.
- Balance adjustment: Corrected issue of automatic adjustment starting after reopening the application.