Battery Analysis System (BAS)
Release Notes

Battery Analysis Software (BAS) Version 1.7.0.35 Release Notes

Enhancements

- Updated online help files.

Battery Analysis System (BAS) Version 1.7.0.29 Release Notes

Bug Fixes

- Improved IR communications with the CRT-300 and hydrometer memory module.

- Implemented specific IR drivers for Windows XP and 2000 that need to be installed separately. These drivers are on the software installation CD under the IR driver directory.

- Added a delete function for templates for Comments and User-Defined fields.

- Improved the calibration backup function. The cal constants now display properly.

- Will now accept CDF files that have an install date not defined.

- Added an hourglass during the final stages of importing CDF files to indicate the program is still busy and won't give the feeling the software is locked up.

- Limited the CDF import function to one CDF file at a time.

- Saved reports can now be opened using the archive reader.

- Now save file location to the registry when saving ADF files.

- Total cell number now automatically adjusts to the proper number of cells when capturing data into a new ADF file.

- Removed the baud rate selection for the communication settings.

Battery Analysis Software (BAS) Version 1.7.0.8 Release Notes

Bug Fixes

- The modified average calculation for the internal resistance readings no longer includes values of 0 in the calculations. This was allowing the modified average to equal 0 if readings of 0 existed in the data.

- Temperature graphs no longer hug the top of the scale when all temperature values are the same value.

- The internal resistance scaling algorithm was changed so the internal resistance graphs no longer hug the bottom of the scale.

- Comparison graph scaling no longer crashes on reports.

- Negative bars are no longer displayed in report bar graphs.

Enhancements

- Added threshold settings for intercells 2-4.

- Tabs were added to the comments screen to allow proper alignment of text during printing.

- A configuration editor has been added to allow entry of site setup data that can be loaded into the CRT-300 via the memory card. Allows for quick setup of instrument when moving from site to site.

- Added an Excel export to - Data Set Detail- Cell Trend- Average Trend and Comparison graphs.

- Add support for interfacing to the new CRT-300 via the memory card and IR port.

- The comments and user defined fields now can be linked to a read date. Existing data within a battery (ADF) file will fall under a category of general on the read date drop down list.

- User's now have the ability to create templates for data entry to the comments filed and user defined fields.

Battery Analysis Software (BAS) Version 1.5.0.3 Release Notes

Bug Fixes

- You can now generate a report on PC's using the Windows 2000 operating system. Previously, an "Access violation of address 00000000. Read of address 00000000" message was displayed. This problem was resolved in version 1.4.0.3; however, it re-appeared in version 1.5.0.2.

Battery Analysis Software (BAS) Version 1.5.0.2 Release Notes

Enhancements

- The scaling for the intercell no longer excludes abnormally large readings from the scaling algorithm. To have these values excluded, they must be assigned as an intertier.

Bug Fixes

- When viewing graphs, the temporary file "TempGraphic.tmp" no longer gets copied to the desktop.

- Trend reports now show starting with Cell 1. Previous versions printed the last cell first and then started with Cell 1 through the last.

- Viewing bar graph readings or including graphs in the reports no longer extend up through other graphs or squash the scaling.

- Under certain conditions, it was possible to have a bar graph display negative when viewing the intercell or internal resistance readings. All the bar graphs now show their proper reading.

- The cal constants are now correctly stored when transferring them from the Cellcorder to the PC for backup. The values for I and IC were reversed. This was previously addressed in version 1.4.0.3, but was not completely resolved.

- The trending function stopped working in the previous release and only showed one data point. This is now resolved.

Battery Analysis Software (BAS) Version 1.4.0.3 Release Notes

Enhancements

- If you open an ADF file as a read only file, make changes, and attempt to save it, an error message is now displayed, indicating the file was opened as read-only and cannot be written to.

- When a file is now opened as a read only, the status field indicates: Read-only.

- After the columns in the Properties|Details tab are sorted by clicking in the column header, the resulting print-out will now reflect the sorting.

Bug Fixes

- You can now generate a report on PC's using the Windows 2000 operating system. Previously, creating a report with more than 27 cells caused an "Access violation of address 00000000. Read of address 00000000" message to be displayed.

- When printing out the Properties|Detail information, the temperature units now show the proper units for temperature. It previously always showed C.

- The calibration constants are now correctly stored when transferring them from the Cellcorder to the PC for backup. The values for I and Ic were reversed.

- Viewing bar graph readings or including graphs in the reports will no longer extend up through other graphs or squash the scaling.

Battery Analysis Software (BAS) Version 1.3.1.20 Release Notes

New Features

- Printed reports now include colored text in the tabular data listings. The text color is based on the previously defined threshold values and colors for each parameter. All analysis reports support this capability. When printed on a color printer, the reports reproduce in the color displayed on screen.

Enhancements

- You can now perform a search on ADF files with the read date as a filter. Previously, this could only be performed on DAT files.

- The method used to display the bar graphs for internal resistance has changed. This improves the scaling if a cell has an abnormally high value. The new algorithm now calculates the average of cells which do not exceed the standard average by more than 25%. Set the graph scaling extents to +60% / -40% of this average value. High values now run into the top of the display while scaling will be performed on good cells.

- Temperatures values can now be set to 0 when manually editing them.

Bug Fixes

- The User defined information no longer gets lost.

- Upgrading firmware to a Cellcorder from an NT machine now works properly.

- The year no longer gets corrupted when entering only two digits for the year. For example, entering 01 for 2001 is accepted properly now. This is implemented everywhere there is a place to enter dates.

- If temperature units are set to (F) and you generate a Threshold report, the value for the violation threshold was actually in (C) not (F). It now shows the proper units.

- When switching back and forth between R1 and R2 intercell resistance values, the average/high and low values now is updated as well as the graph label R1, R2, R3 or R4.

- Temperature values now convert properly when changing units from C to F and back to C.

- Threshold lines for intercell readings are now removed from reports and graph displays when disabled.

- The reports now have the same time stamp at the bottom of each printed page.

- Text entered as comments under the Properties dialog now always prints on reports if selected.

- Cells attached to an intertier now display correctly on the bar graphs. This occurs when the cell associated with the intertier is the lowest of all the readings. The bar will go negative on the display and will not be seen.

- The intercell threshold settings now affect all four intercell sets of readings. Previously, changing the settings on other intercell graphs (R2-R4) had no effect.

- Temperature values now get imported properly when importing from an existing DOS file.

Cellcorder (BAS) Version 1.2 Release Notes

New Features

Communication Port configuration
The communication port used for each device can now be selected from within each Device Interface dialog. A different port can be configured for each device. The default communication port can still be set from the main program.

File Open/Create interface provided within the Device Interface dialogs
The user can now start a Device Interface dialog without opening or creating a battery file. In this case, when the user elects to download data from the device, the interface will prompt the user to open or create a new file at that time. Previous version of the Battery Analysis Software required the user to have opened or created a new battery file before starting one of the Device Interface dialogs.

Cellcorder Firmware Update
Allows the user to update the Cellcorder firmware to the latest revision, using an update file supplied by Albercorp. Previously, this capability was provided by a separate DOS program, originally shipped with the DOS version of the analysis software.

Enhanced Cellcorder Calibration backup/restore
The integrity of the calibration files is now protected using special error detection codes and other information built into the calibration data files. This helps the user to avoid accidentally uploading invalid or unintended calibration data to the Cellcorder.

Threshold Color Display Mode in Properties Details window
The Details page of the Properties Dialog can now display values in color, according to programmed threshold values. This feature uses same set of threshold values as configured through the Graph windows, but allows the user to configure a separate set of colors to be used for the text display. This feature also incorporates the ability to indicate Intertier cells by displaying values for those cells in bold.

Intertier Cell Configuration
This feature allows the user to specifically identify Intertier cells within each battery file. Cells that are marked as Intertiers will be given special consideration within certain calculations, and are specially identified in certain Data Analysis windows.

Cell Data Grid Editor
A new editing interface, known as the Cell Data Grid Editor, permits the user to edit all the data within one data set using a spread sheet-like editor. This editor replaces the single-cell editor when editing data from within the Properties dialog. The single-cell editor is still used when editing data from within a Data Analysis window.

User-defined report footer text
All report types now support an optional user-defined footer text which is printed at the bottom of each page of the report. This text is configured from within each report setup dialog, and is saved within the associated battery file.

Bug Fixes

When transferring Specific Gravity into an existing ADF file and the amount of cells transferring from hydrometer is less than that of the ADF setup, it will change the ADF setup to a new value determined by the hydrometer.

The summary header for reports always showed Temperature units as C. This is now corrected.

Corrected Intercell Average on comparison report summary.

Centered heading for Specific gravity on summary report.

Will not default to main paper tray when Alt tray is selected.

Can now print selected pages from report.

Can now print to a network printer.

Correct Divide by 0 error when entering Intercell alarm thresholds.

Correct changing of internal resistance reading when editing inter cell resistance under Properties | Details screen.

When printing reports, on some printers (ink jets) the text at the bottom of the page gets cut off in the middle. All text will now be printed.

User defined entry bug corrected.

Fix “unknown” temperature units problem.