What's New in TAM Assistant Software

New Features in TAM Assistant v3.1.7

Bug Fixes
- Include calculated values from battery experiments in data export to Excel or .CSV files
- Do not include the text "NaN" for missing values in exported .CSV files
- Added clearer messages and a confirmation dialog on the data reduction page of an experiment
- Do not show the Statistics tab when there are no statistics to be shown
- Fixed installer not being able to uninstall previous versions. Specific to versions 3.1.5 and 3.1.6, which must be manually uninstalled before installing 3.1.7

New Features in TAM Assistant v3.1.6

New Features
- Updated Battery Cycler Wizard:
    - Use capacity-based energy hysteresis correction
    - Added a hysteresis energy column
    - Changed the default data reduction method for the Battery Cycler Wizard to Adaptive (from Equidistant)
    - Mark end of cycle when precycling and main cycling have ended

New Features in TAM Assistant v3.1.5

New Features
- Updated Ampoule and STANAG wizards
    - Added ability to specify duration times for: signal correct, equilibration, initial baseline, final baseline
    - Updated UI layout for Ampoule and STANAG main experiment page
- Allow ` . ´ in experiment name or directory path

Bug Fixes
- When performance counters can't be created, log an info message instead of logging an error
- Export and print audit trail links were always disabled in TAM Assistant Security Manager

- Results grid could show the wrong measurement unit label (kPa/s was being used instead of mW/l)
- Equilibration time message was showing 15 minutes for all calorimeter types
- Battery cycler wizard has better error checking for narrow cycle parasitics

New Features in TAM Assistant v3.1.3

New Features
- Added external battery calibration support for MIcroXL calorimeter
- Integrated user database passwords are now more secure

Bug Fixes
- Standby message now appears when TAM IV thermostat is placed in stand by
- Added TAM Assistant version number to results file
- Changed Biologic time base to fix issues with current flow
- Run sequences can now be resumed when experiment is interrupted
- Battery cycler device will now reacquire signal if experiment is disconnected
- Added missing user integrated database settings in TAM Assistant Security
- Added missing "Change password" button to the security ribbon

New Features in TAM Assistant v3.1

Introducing the Battery Cycler Microcalorimeter Solution
TAM Assistant software v3.1 combines the TAM IV Microcalorimeter and BioLogic VSP-300 Potentiostat into a single integrated system. The Battery Cycler Microcalorimeter solution offers the perfect in-operando tool that provides seamless system control and data analytics for researchers and scientists of all levels. For more information, visit www.tainstruments.com.

General Enhancements
- Improved stability when running experiments
- Improved table calculation presentation
- Improved presentation of tabular signal data
- Run Sequence editor improvements
- Improved naming of devices in experiments (added device name to channel name display)

Bug Fixes
- Memory leaks fixed
- Fixed bug in manually entering output power in interactive gain calibration
- Fixed incorrect calibration time for TAM IV MicroXL
- Multicalorimeter device initialization could fail if there are empty slots in the calorimeter

New Features in TAM Assistant v 3.0.16

Bug Fixes
- Fixed issue with TAM Air GPT failing to complete
- Fixed issue with heater pulses showing error when one or more Minicalorimeters are disabled
- Fixed out of range error with TAM Air 3-channel data collection

New Features in TAM Assistant v 3.0.5

New Features
- Added runaway watchdog settings to TAM Air user interface

Bug Fixes
- Fixed issue with TAM Air GPT failing to complete
- Fixed issue with TAM Air thermostat losing temperature regulation causing a watchdog trigger
- Fixed issue with TAM Air experiments freezing at the end of an experiment
- Fixed issue with TAM Air thermostat jumping to incorrect temperature

New Features in TAM Assistant v 3.0.4

New Features
- Hot-swap possibility for TAM IV accessories
- New Microsoft™ Office-inspired ribbon user interface
- Dashboard device view
- Calibration number drop-down menus

General Enhancements
- Embedded software for TAM III changed from Windows XP™ embedded to Windows™ 10 IoT
- Communication infrastructure
- TAM IV firmware updated and communication stability improved
- Simplified firmware updates
- Run sequences improved
- Updated experimental wizards

ADDITIONAL RESOURCES
For immediate assistance contact the TA Instruments Hotline at
+1 302-427-4000 from 8:00 am to 4:30 pm EST.

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For information on our latest products, contact information, and more, see our web site at: http://www.tainstruments.com

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