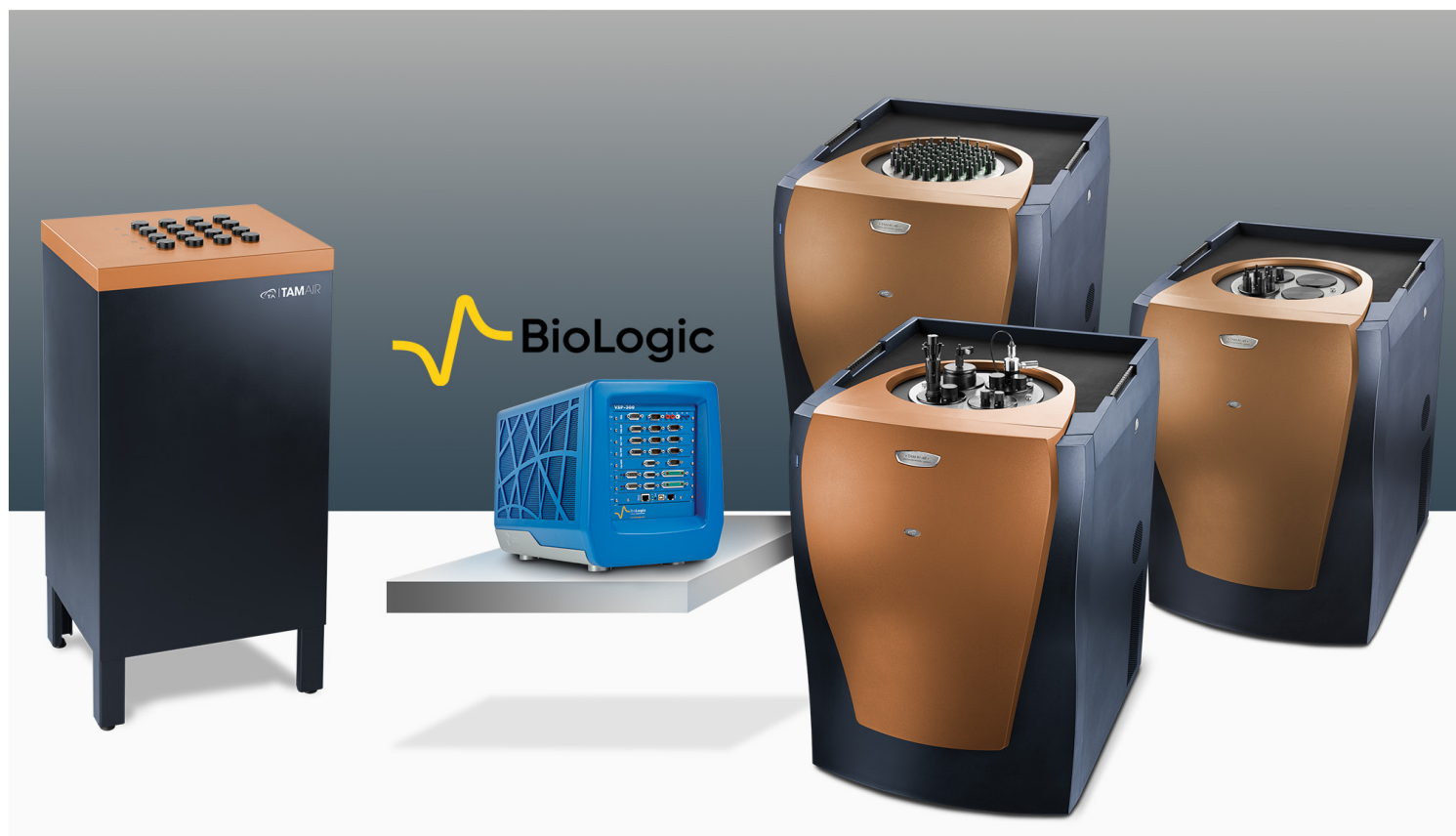




What's New in TAM Assistant Software

New Features in TAM Assistant v3.3.1

Released October 2026

Bug Fixes

- Added buttons for exporting and printing audit trails in TAM Assistant
- When choosing a reference experiment for a flow control experiments, show details of the RH profile being used from the reference experiment.

New Features in TAM Assistant v3.3

New Features and General Enhancements

- Added a Generic Battery Wizard for performing battery experiments using the TAM Air while integrating data from third-party battery cyclers that are not natively supported by the TAM software
- Added a Battery Compression Experiment, which uses a battery compression USB board to measure and record compression data during testing
- Added a Cement Wizard for setting up cement experiments
- Added a Heat of Hydration analysis for cement experiments
- Added a feature to allow users to disconnect a battery cycler directly from the Devices list
- Removed the requirement for a separate battery cycler license for running battery experiments
- Added the ability to create a device file for a new TAM Air from an existing device data file

Bug Fixes

Fixed not being able to restore a TAM Assistant Security database

New Features in TAM Assistant v3.2.4

Bug Fixes

- TAM Assistant Security: Fixed an issue with the Backup now and Restore buttons not working when using Microsoft SQL Server Express 2022

New Features in TAM Assistant v3.2.3

Bug Fixes

- TAM Assistant Security
 - Added audit logging for when a user enters a wrong password when Active Directory is enabled
 - Improved reset of default users and avoid resetting password if it's empty
 - Added SQL Server certificate setting to TAM Assistant Security setup tool
- TAM Assistant
 - Removed multi-channel option from Titration Wizard
 - Show the correct text for single-channel or multi-channel experiments on the calorimeter selection page

New Features in TAM Assistant v3.2.2

New Features and General Enhancements

- Added support for Keithley 2602B Source Measure Unit
- TAM Assistant Security
 - Added TAM Assistant Security Installation Instructions
 - Added TAM Assistant Security Getting Started Guide
 - UI improvements
- Added Constant Voltage Discharge action for battery experiments
- Show estimated time left when doing a Full cycle parasitics battery experiment
- Show the Macrocalorimeter as a single channel device
- Show property information for BioLogic VSP-300 and Keithley 2602B devices

Bug Fixes

- Fixed the inability to control multiple TAM IVs at the same time
- Fixed battery experiments missing first cycle information
- Fixed battery experiments missing last cycle information

New Features in TAM Assistant v3.2.1

Bug Fixes

Fixed an issue with Export not being able to create an Excel document or text file.

New Features in TAM Assistant v3.2

New Features and General Enhancements

- New firmware for TAM IV, TAM Air, calorimeters, and accessories that improves each device's communication and reconnection abilities
- Changed application from 32-bit to 64-bit to allow larger experiment result files to be created (requires 64-bit OS)
- Improved TAM IV scanning functionality to be more linear
- Improved TAM IV regulation at 4°C
- Battery experiments:
 - Added support for new BioLogic® VMP300-series P board (requires all BioLogic VSP 300 users to do a firmware update using EC-Lab® software)
 - Updated data reduction page to encourage use of Adaptive data reduction to reduce size of experiment data
 - Added exporting calculated values to reports
- Added device navigation tooltips with links to running experiments
- Advanced options UI changes for TAM IV
- Signals improvements and unused signal checkboxes removed from UI
- Log all watchdog messages and run sequence items
- Archived logs now have a .log extension instead of date extension
- Improved logging

Bug Fixes

- "Collect baseline with sample(s) inserted" couldn't be selected for non-isothermal ampoule and flow control calorimeter experiments
- Battery wizard would run a calibration when it shouldn't (when only "Collect baseline" was selected)

- Fixed Signal Stability Condition not working in run sequences
- Battery Cycler Accumulated Cycles table wasn't showing any calculated values

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
- 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.waters.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 Waters Hotline at
+1 302-427-4000 from 8:00 am to 4:30 pm EST.

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