Firmware KA.16.18 released March 2025

- Fixed ORP set point 2 info to WebAdvantage
- Added additional logic for next gen BMS comm card
- Fixed some set point precision info being set to web history
- Added support for Spanish version of firmware
- Changed system default MAC address
- Fixed mA output precision not matching unit
- Increase Max Cond and Mcond values

Firmware KA.16.13 released July 2024

- Adjusting timestamp for WM logs to 23:59:59
- Prevented Aux Flowmeter custom name from overflowing if to long
- Added reboot after wifi is enabled in factory
- Fixed mA output conditioner inverse operation
- Fixed mA output conditioner decimal precision
- Added bleed lockout logic to 28 day timer's store one operation
- Resolved WM units issue when WM set to mA input source
- Corrected issue with mA input RUN screen not showing # for invalid readings
- Corrected issue with Bacnet / Modbus network menu not allowing access to DHCP setting

Firmware KA.16.10 released February 2024

- Fixed Left Screen corruption when using Cond Sensor
- Optimizing dynamic string functionality / spacing on left RUN screen
- Fixed issue that caused meter daily totals to be processed incorrectly on WebAdvantage when uploaded through a USB history file.
- Fixed WM totals dropping values on Right Menu
- Added new info to mAOut page
- Fixed Relay Forcing on WA with Rabbit Card
- Fixed item selection/menus showing for disabled items in factory
- Fixed mAin Live AD not showing on WebAdv
- Fixed relays missing from WebAdvantage when using a Rabbit
- Fixed aux flow relay activator selection
- Fixed USB History download issue
- Increased relay delay to 999 seconds (was not in 16.04 as thought)
- Reworking mA Output conditioner

Firmware KA.16.05 released July 2023

- Disabling flow meter minimum volume alarm if alarm setpoint is 0
- Increased relay delay to 999 seconds (was not in 16.04 as thought)
- Reworking mA Output conditioner
- Fixed aux flow meter item selection
- Adding Precision and units to mA Cond min/max

- Fixed mA Input onboard graphing

Firmware KA.16.04 released May 2023

- Added web-write disable feature
- Updating notepad record WA interface to send 24-bit values as opposed to 16-bit values
- Added WebAdvantage interface for raw mA input AD readings
- Added support for suspended mA inputs on unit and WebAdvantage
- Changing mA input behavior to disable control and pause limit timer when alarm disabler is active
- Updating pH and ORP setpoint behavior to pause limit timer during no-flow conditions
- Fixed issued that caused mA input history logs not to be shown
- Disallowing firmware updates to older firmware versions
- Updating RTD scale values
- Added celsius conversion to temperature setpoint reporting to WebAdv
- Fixed issue that caused force sample function to fail when COND sample method set to Pulse
- Added HTTP Remote setting to WiFi configuration screen.
- Fixed issue that caused WM EVAP and CYLCE logs to be sent to WebAdvantage incorrectly
- Updating default wm daily log save hour to 12 midnight
- Updating COND calibration to save calibrated value for run screen viewing and historical logging
- Updating max reset FM/WM value to be 429,000,000.0
- Changing COND sample function in pulse mode to only sample once per pulse
- Added relay force direction (on/off) to relay force pop-up and expand to 999 min
- Expand the relay delay from 99 seconds to 999 seconds
- Added WebAdv interface for WM Debounce
- Fixed issue with Fuzzy interval and Fuzzy percentages to be shown incorrectly on WebAdvantage
- Fixed issue that caused ethernet MAC address to be cutoff on network diagnostics screen
- Added MOHMS to mA Input UOM
- Save Factory password input in MAIN cal until returning to home or run screens

KA.14.21 released March 2022

- MT: (Fixed) issue with differential and other system card pop-ups corrupted by alarm pop-up
- MT: (Fixed) issue with saving RUN screen customization during upgrades

KA.14.19 released Feb 2022

- MT/XS: (Added) ability to customize left side box of RUN screen Line 1
- MT/XS: (Added) ability to show relays and digital inputs in RUN screen line customization
- MT/XS: (Added) populated DNS server address when using H card comms
- MT/XS: (Added) ability to enter Factory password once while calibrating mA inputs
- XS: (Improved) Keypad response times
- MT: (Fixed) Issue with MT screens going blank or asleep
- MT/XS: (Fixed) Issue with password popup in USB insertion menu

KA.14.10 released July 2021

- MT/XS (Added) a mA input Min value can be greater than the Max value
- MT/XS: (Fixed) Bug that caused issue with EVAP cycles history logs
- MT/XS: (Fixed) Bug that caused malfunction of interlocked ORP setpoint 2 not met alarm
- MT (Fixed) Issue that caused display to go blank (asleep) at random times
- MT/XS (Fixed) Issue with mA outputs sourced by mA input displaying incorrect numbers and units
- MT/XS: (Fixed) Issues with setting high and low limits for mA input onboard history graphs
- MT/XS: (Fixed) Issue with pulse timer sourced to aux flow meter increment total volume on all pulse timers
- MT/XS: (Fixed) Issue setting high value for mA output to corrupt screen on MT and crash XS
- MT: (Fixed) Issue with notepad history records being printed incorrectly on log screen
- MT/XS: (Fixed) Issue with ORP and ORP setpoint 2 history events to be sent to WebAdv as PH and PH2 history events when set at the controller

KA.14.03 released March 2021

- MT/XS: (**Added**) Now sending COND, MCOND, ORP, PH, TEMP, AUXTEMP, and mA setpoint changes to WebAdv and onboard history
- MT/XS: (**Added**) Option for no units of measure on aux flowmeters
- MT/XS: (**Added**) mA input and flowmeter custom names to alarm screen
- MT/XS: (**Added**) Binary search for alarm and relay records
- MT: (**Changed**) Increased area to touch in Run screen to force boiler system into a sample
- MT/XS: (**Changed**) Increased Wifi buffering to improve accessing units during initial hour of connection to WebAdv via web and to allow saving of Configuration reports to WebAdvantage
- MT:(**Changed**) Post-bleed COND timer behavior with timed sampling or sample and hold
- MT/XS: (Fixed) Issue that caused flowmeter links to malfunction when not linked to SYS1 WM1
- MT/XS: (Fixed) Corrected COND blowdown, hold, and sample time formatting sent to WebAdv
- MT/XS: (Fixed) Issue with H11, H21 & H22 cards sending alarm records to WebAdv
- MT/XS: (Fixed) USB history logs now print temperature in the units are currently selected (F or C)
- MT: (Fixed) Issue with numbers on aux flowmeter settings screen to use incorrect UOM
- XS: (Fixed) Issue when viewing all alarms with an active notepad alarm
- MT: (Fixed) Hi and Low alarm numbers and popup issues for mA In for onboard history
- MT:(Fixed) Onboard sensor history log popup page numbers not updating
- MT/XS: (Fixed) Error in binary search that limited search range incorrectly

KA.13.09 released August 2020

- MT/XS: (Fixed) Issue that caused raw AD calibration value to be reported incorrectly to WebAdv via H1, H11 and H21 card
- MT/XS: (Fixed) Issue that caused water meter values for systems other than system 1 to be reported incorrectly to WebAdv via H1, H11 and H21 card
- MT/XS: (Fixed) Issue that caused notepad high and low alarm values to be sent to WebAdv without decimal precision.

KA.13.07 released May 2020

- MT/XS: (Fixed) Issue when setting of a 4/20mA value decimal point on WebAdv when using H1, H11 and H21 card
- MT: (Fixed) Issue that caused post-bleed timer source to display incorrectly in the menu pop-up
- MT/XS: (Fixed) Issue when MT or XS units with H comm card onboard history got full resulted incorrectly sending blank history to WebAdv

KA.13.05 released January 2020

- MT/XS: (**Added**) Timer Source variable to Ethernet interface
- MT/XS: **(Added)** Conductivity sample value held during no-flow conditions if method set to sample and hold or timed sample
- MT/XS: **(Added)** More options for UOM on mA input list (NTU for turbidity)
- MT/XS: **(Changed)** If conductivity sample method is set to TIMED or SAMPLE AND HOLD and NO FLOW is active the last active conductivity sample will be maintained as the current reading and stored in the history log.
- MT: (Fixed) Issue that caused relay 11-20 settings for H1, H11 and H21 card to not be set
- MT/XS: (Fixed) History log upload (mA input) WebAdv format
- MT/XS: (Fixed) Issue setting timer run time via WebAdv for systems 2-4
- MT/XS: (Fixed) Issue setting of limit time for bleed timers via WebAdv for all systems
- MT/XS: (Fixed) Issue with incorrect decimal point setting on WebAdv of mA Out
- MT/XS: (Fixed) Issue with sys2 alarms to be sent to WebAdv incorrectly for H1, H11 and H21 card
- MT/XS: (Fixed) Issue that caused setting of sample duration, hold time, and interval time to be set for system 1 regardless of system.
- MT/XS: (Fixed) Issue with available Wi-Fi list in Network settings
- MT/XS: (Fixed) Issue with USB history download in Web Adv format that caused incorrect alarm indicators to be saved