

# MegaTron XS

## FEATURES WORTH KNOWING

- Cycles control with the make-up conductivity
- Display mA readings in the System RUN screen
- Auxiliary flowmeter inputs can activate a pulse timer
- ORP has two set points with the second linked to a 28-day timer for shocking to a higher ORP value
- USB downloaded history can be uploaded to WebAdvantage
- Web communications to WebAdvantage via the customer's internal network or external cell router and data service
- Four or eight mA inputs are available for specialty sensors, including PTSA trace, pressure, drum level, free chlorine and many other sensors
- Force a relay into a single event defined time to catch up on chemical feed
- Supports Bacnet, Modbus or Lonworks building management communications
- Receive alarm from an auxiliary flowmeter if bleed is not occurring correctly
- Biocide timers can remember to feed one event when flow comes back on if one or more feed events are missed during no flow conditions
- Second conductivity set point for no inhibitor conditions is available
- Tower conductivity, make-up conductivity, pH and ORP in one unit
- Pulse timers can have two different water meter inputs added together for the accumulate activation setting
- Chemical feed can be interrupted during bleed or other events
- Five miscellaneous digital inputs from drum level wands
- Advanced relay logic for special controlling schemes
- Pulse timer initiated boiler conductivity sampling
- Single or dual boiler conductivity control



[www.advantagecontrols.com](http://www.advantagecontrols.com)



# Build a MegaTron<sup>XS</sup>

## Model XS

### Conductivity Control

- B = BE-34BC boiler probe, thermister temp, 1" cross, 250 PSI @ 400°F
- B1 = BE-4RTDC boiler probe, RTD temp, 1" cross, 350 PSI @ 265°F / 250 @ 400°F
- B2 = BE-32C probe, no temp comp, 1" cross, 350 PSI @ 265°F / 250 PSI @ 400°F
- B7 = BE-32-SC probe, no temp comp 3/4" cross, 350 PSI
- C = TE-4A standard tower probe; 140°F and 150 PSI max
- C3 = AH-4ASS 1" MNPT, 212°F and 250 PSI max
- C5 = DC-4ASS tank mount; 190°F max
- C10 = DI-4A, 140°F and 150 PSI max, 1" MNPT
- C12 = AL-4ASS-10 pure water probe, 140°F @ 100 PSI
- D1 = TE-4A high conductivity range (0-50,000)

### Make-up / Miscellaneous Conductivity

- M = DI-4A standard make-up probe, 140°F and 150 PSI max, 1" MNPT
- M0 = Make-up / miscellaneous conductivity no probe
- M1 = DI-4ASS
- M3 = AH-4ASS with 1" MNPT, 250 PSI max
- M4 = TE-4A PVC 3/4" slip tee design, 150 psi max
- M6 = CS-4ASS corporation stop style electrode, 60 PSI

### PH Control For dual set point use Q instead of P.

- P = TPE-21 standard tower probe, 140°F and 100 PSI max
- P2 = TPE-21 w/ pre amp
- P4 = Tank mounted probe
- P5 = Tank mount w/ pre amp
- P8 = PE-21SS stainless steel probe 1/2" MNPT, 212°F and 250 PSI max
- P9 = PE-21SS with pre amp
- P11 = PE-11 low ionic probe with 1/2" MNPT, 180°F and 50 PSI max
- P12 = PE-11 w/ pre amp

### ORP Control

- R = TOE-21 standard tower probe, 140°F and 100 PSI max
- R2 = TOE-21 with preamp
- R4 = Tank mounted probe
- R5 = Tank mounted ORP w/ pre amp
- R8 = OE-21SS stainless steel probe 1/2" MNPT, 212°F and 250 PSI max

### Feed Timers (max of 5 per controller: 28-DAY, PULSE, %, LIMIT or POST BLEED)

F1 to F5 (F4 = Four feed timers)

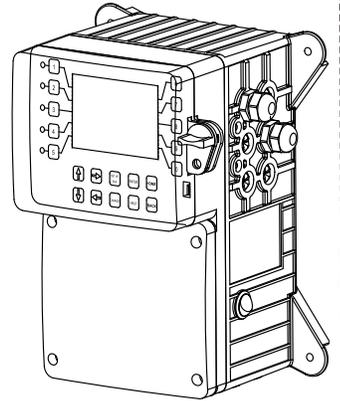
### Flow Switches

- E = Standard float style flow switch assembly (towers); 140 PSI @ 75°F
- E3 = Paddle flow switch with PVC flow assembly; 140 PSI @ 75°F
- E4 = Paddle flow switch with PVC flow assembly (unassembled with 10' cord); 140 PSI @ 75°F
- E5 = Paddle flow switch with brass assembly; 250 PSI @ 75°F (order appropriate probes)
- E6 = Flow switch connection only with cable
- E7 = Standard float style flow assembly with tee but no switch
- E8 = Standard float switch assembly unassembled with 10' cord; 140 PSI @ 75°F
- E11 = Flow indicator (0-10) with adjustable switch, PVC assembly; 100 PSI @ 125°F

### Whole Unit Options

- A = Conduit connections
- A3 = Liquid tights only with CE mark, 100-240 volt
- H1 = Internet card with CAT5 connection
- H11 = Internet card with CAT5 connection and Modbus TCP/IP
- H21 = Internet card with CAT5 connection and BACnet TCP/IP
- H31 = Internet card with CAT5 connection and Lonworks
- N4 = Four 4-20mA isolated inputs
- N8 = Eight 4-20mA isolated inputs
- O4 = Four 4-20mA isolated outputs
- S = Saturation index (unit must have tower conductivity & pH)
- V = 5 VDC output with water meter connections for paddle wheel flow meters
- V2 = 12 VDC output with water meter connections for paddle wheel flow meters
- W1 = 1 auxiliary flow input for a bleed flow alarm
- W4 = 4 auxiliary flow meter inputs
- Y = Agency approval (ETL, US&C)

After Single System Card features are selected go to the bottom for whole unit options.



The MegaTronXS comes standard with 5 control relays and digital inputs, 2 water meter inputs and can have communications, 4-20mA and many other options.

For dual boiler units select the features for system 1 followed by a dash then system 2's probe option and E6 option if desired. ie: XSB2F3E6-B2E6-H1