

# MegaTron XT

## TOUCH SCREEN CONTROLLER

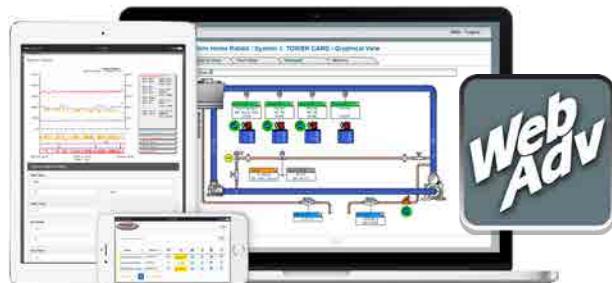
The MegaTron XT offers the widest range of features combined with WebAdvantage remote communications making it an exceptional choice for commercial and industrial water treatment systems.

### MICROPROCESSOR CONTROL OF:

Conductivity, pH, ORP, Chemical & Biocide Feed, Service Reports, 4-20mA In & Outs

### KEY FEATURES

- Customizable LCD Display
- On Board History Graphs
- Single System Capability
- Simple Touch Screen Menu
- Internet Communications Included
- Up to 16 mA Inputs
- Customizable Notepad
- Multi-Level Security Code
- Wi-Fi Capable
- Non-Volatile Memory
- E-mail Alarm Capable
- Modbus and BACnet Options



### PRODUCT OVERVIEW

The MegaTron XT touchscreen controller is the latest innovation in our highly acclaimed MegaTron product line.

Units can be configured to control a wide range of digital and analog inputs. Advanced relay logic and customization lets you configure a unit to meet your specific system needs.

XT touch units can control a single tower, boiler, wastewater or other industrial application and provide web based communications and reporting with WebAdvantage.

Build a Model ..... X T C P R F E

- N8 V Z1

Step 1 system card functions

Conductivity	
B	Boiler with BE-34BC
C	Tower with TE-4A
C12	Low range with AL-4ASS

Misc Conductivity

M	General range with DI-4A
M4	General range with TE-4A

pH

P	Single set point with TPE-21
Q	Dual set point with TPE-21

ORP

R	Standard with TOE-21
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Feed Timers

F	Five selectable
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Flow Assembly

E	Float style flow switch, PVC
E6	Flow input only

Power Cord Options 100-230 VAC except A22

A	All 1/2" FNPT conduit connections
A2	Class F cord, no relay pigtails, CE mark
A3	Liquid tights only, CE mark
A5	USA power cord, no relay pigtails
A7	Class I cord, no relay pigtails, CE mark
A8	Prewired USA cord, 1/2" conduit relay
A22	24 VDC power instead of 100-230 VAC

Communication Options WebAdv standard

H2	Adds Wi-fi module to built-in WebAdv coms
H3	No active WebAdvantage communications
H25	Dual network w/ Modbus TCP/IP read/write
H26	Dual network w/ BACnet TCP/IP read/write

Relay Options (2.5 amp each)

K1	(5) relay card not connected to power
K2	(5) relay card all set for dry contact
K3	No control relays

mA In/Out Signals 16 signals max

N4	(4) mA inputs
N8	(8) mA inputs
N12	(12) mA inputs and (4) outputs
N16	(16) mA inputs and (0) outputs
O4	(4) mA isolated outputs
O8	(8) mA isolated outputs

Accessories

T	Configured for mounting of separately ordered CELLADV-0-12 or -24 inside controller
V	24 VDC power for external signals
W	(5) additional flowmeter pulse inputs
Y	ETL Agency Listings (USA, CSA)
Z	Black display cover
Z1	Clear display cover

Tower / general range conductivity sensors include a temperature reading. Additional sensor types are available. Consult dealer for additional options.

## Specifications

Electrical Input	100-230 VAC, 50/60 Hz
Relay Outputs	Individually fused and 2.5 amps. Dry contact limited to 2.5 mA at 28 VDC.
Display	6.875" Diagonal LCD Touch Screen
Digital Inputs	Inputs have 10K Ω pullup to 3.3 VDC from open collector open drain output
Flow Totalizing Inputs	10K Ω pullup to 5 VDC max rate 2.5 KHz from open collector open drain output
mA Inputs	Optical isolation, 250 Ω / 5 VDC @ 20 mA. Loop voltage to not exceed 30 VDC.
mA Outputs	Non-isolated. 12 VDC max load = 400 Ω. Isolated ext 24 VDC max load = 800 Ω.
Ethernet	DHCP or static capable with 10/100 WiFi 802.11 (b/g/n)
Approvals	CE, UL61010-1/CSA C22.2 No. 61010-1-12 + A1:2022 (R2022)
Enclosure	NEMA 4X style polycarbonate
Ambient Temp	0° to 125°F (-17° to 52°C)
Shipping Weight	Approximately 10 lbs. (4.536 kg)
Dimensions	11" (27.94cm) W x 11.75" (29.84 cm) H

Relative Humidity	0 to 100%
Conductivity Control	µS/cm, mS/cm, PPM scales up to 50,000 depending on sensor selection
pH Control	0-14 with single or optional dual set point
ORP Control	+/- 1,000 mV, 2nd set point timer linked
Accuracy	+/- 1% of scale
Selectable Feed Timers	Water meter pulse, Percent, Post, Limit, Recycle, and 28 day with reminder 1 for loss flow.
mA Input Control	Customizable to desired range and scale
mA Output	Proportional with second input conditioning
TE-4A	Tower probes supplied in 3/4" quick release PVC tees. pH and ORP probe bodies are CPVC.
TPE-21	150 psi (10.3 bar), 140°F (60°C) max
TOE-21	100 psi (6.8 bar), 140°F (60°C) max
FS-OC (flow switch)	140 psi (9.6 bar), 140°F (60°C) max
AL-4ASS	100 psi (6.8 bar), 212°F (100°C) max
BE-32C	250 psi @ 400°F, SS/PEEK with 1" cross



4700 Harold-Abitz Dr  
Muskogee, OK 74403

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

918-686-6211 phone  
918-686-6212 fax

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