

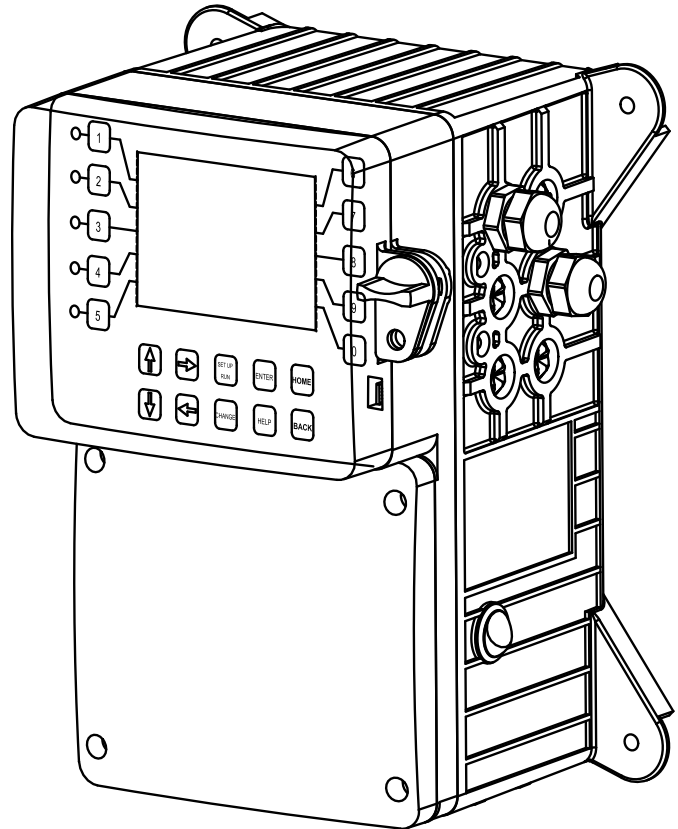
MegaTron^{XS} Controller

Microprocessor Control of:

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

Key Features

- Customizable LCD Display
- On Board History Graphs
- Simple ATM Style Menu
- One Point Calibration
- Internet Communications Option
- 5 Assignable Relays
- Relay Test Keys
- Customizable Notepad
- Multi-Level Security Code
- LSI or RSI Index with pH
- 2 Year Replacement Warranty
- USB History Access



Application

MegaTron XS controllers combine industry leading user-friendliness, affordability and capability in one compact controller.

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

XS units can control cooling tower, boiler, waste water and other industrial applications plus provide web-based communications and reporting with WebAdvantage.

Build a Model

The model number starts with XS followed by the code for each function needed for the first system. (XSCPF3E)

Once the main control functions have been selected, insert another - and list the desired common options. (XSCPF5-H1).

Conductivity Control

B2 = BE-32 Standard Boiler probe
C = TE-4A Standard Tower probe

Make-up / Misc. Conductivity

M = DI-4A Standard Make-up probe
M9 = Floor drain conductivity alarm sensor

PH Control

P = TPE-21 Standard Tower probe

ORP Control

R = TOE-21 Standard ORP probe

Feed Timers (max of 5 per system)

F3 = 3 selectable feed timers
F5 = 5 selectable feed timers

Flow Switch

E = Flow Switch

OPTIONS

- A** - Conduit connection
- A3** - Conduit with CE approval
- H** - Internet card w/ CAT5 connection and Wi-fi
Cellular options available. Consult factory.
- H11** - Internet card w/ CAT5 and Modbus TCP/IP
- H21** - Internet card w/ CAT5 and BACnet TCP/IP
- N4** - (4) 4-20mA Inputs
- N8** - (8) 4-20mA Inputs (O4 option not available)
- O4** - (4) 4-20mA Outputs
- W1** - (1) auxiliary flow input for a bleed flow alarm
- W4** - (4) Auxiliary flow meter inputs
- Y** - Agency Approval (ETL, US&C)

NOTES:

1. Timers selectable (pulse, %, post bleed, recycle or 28-day). Each system has 2 water meter inputs.
2. All expansion slots provided.
3. MegaTron XS controllers can have 4 probes max.
4. MegaTron XS controllers have 5 relays max.
5. Boiler conductivity should only be used on continuous or surface lines; not bottom blowdown lines.
6. LSI or RSI index included with pH if unit has tower conductivity.
7. Dual boiler unit model (i.e. XSB2F3-B2-H1)

Contact the factory for a complete option list.

Specifications

Electrical

- **Input:** 95-240 VAC, 50/60 Hz
- **Control:** Equal to input voltage (95-240VAC) fused at 2.5A per relay

Prewired units are supplied with an 8' (248.84 cm) power cord and 8" (20.32 cm) output receptacles.

Operational

- **Display:** 240 x 128 Graphic LCD
- **Conductivity Control:** μ S/cm, mS/Cm, PPM scales with ranges up to 50,000 depending on sensor selection. Boiler sampling: continuous, timed or sample and hold.
- **pH:** 0-14 scale
- **ORP:** +/- 1000 millivolts scale
The ORP setpoint can be tied to an optional 28-day feed timer as an override.
- **Accuracy:** +/- 1%
- **Feed Timers are all selectable from:**
 - Pulse** - water meter activated w/accumulator
 - Recycle** - OFF and ON cycle; HH:MM:SS
 - Limit** - Limits feed with bleed
 - Post** - 1-100% of post bleed or other time with an over all limit.
 - 28 Day** - biocide timer.

Enclosure

Heavy duty NEMA 4X style high impact
ABS with padlockable gasketed
Lexan viewing door.

Environment

Ambient temperature: 0° to 125°F (-17 to 52°C)
Relative humidity: 0 to 100%

Electrodes

Tower Standard electrodes are supplied in 3/4" (1.91 cm) SCH 80 PVC female slip tees with quick release nut.

- **Conductivity:** TE-4A 150 psi (10.3 bar) / 140°F (60°C) Max
- **pH:** TPE-21 100 psi (6.8 bar) / 140°F (60°C) Max
- **ORP:** TOE-21 100 psi (6.8 bar) / 140°F (60°C) Max
- **Temperature:** TC-1 150 psi (10.3 bar) / 140°F (60°C) Max

Boiler Conductivity electrodes are supplied with 1" (2.54 cm) MNPT XS threads.

- **Conductivity:** BE-32 250 psi @ 400°F / 350 psig @ 265°F PEEK core

Shipping Weight: Approximately 8 lbs. (3.62 kg)

Dimensions:

W 10" (28.4 cm) x H 12" (30.5 cm) x D 7.25" (18.4 cm)

Get the Advantage



4700 Harold-Abitz Dr
Muskogee, OK 74403
800-743-7431 Phone
888-686-6212 Fax
www.advantagecontrols.com