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
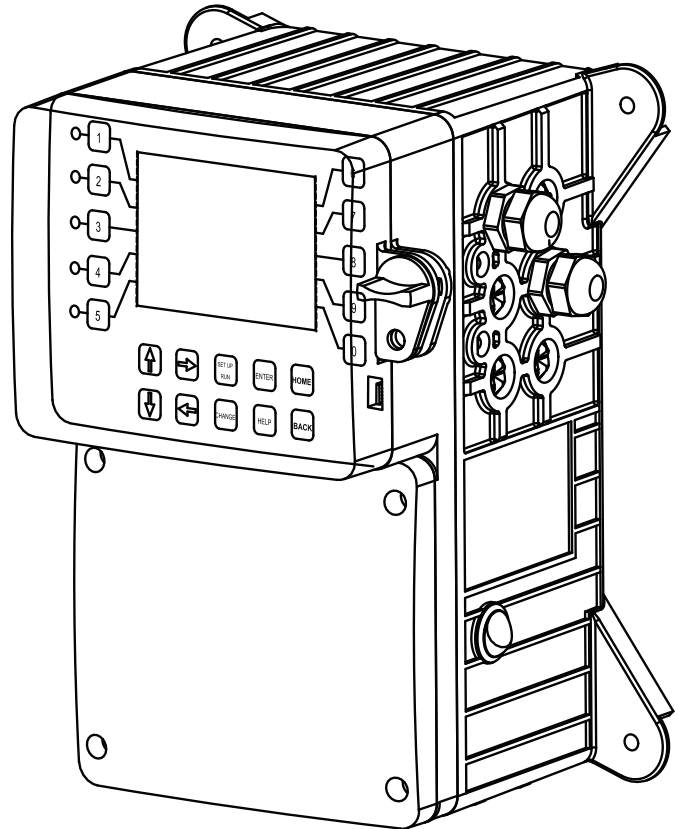
Application

The MegaTron XS controllers offer all of the user friendly features of the original MegaTron SS plus a number of new features for single water treatment systems.

Units can be configured to control a wide range of digital and analog inputs. Relay activation and names plus many other features are field selectable. The "Notepad" allows the input and history gathering of service report parameters.

MegaTron XS units can control a single cooling tower or boiler system with the most customization flexibility available.

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

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
H1 - Internet Connect Communications
H4 - Internet card with phone modem
N4 - (4) 4-20mA Inputs
O4 - (4) 4-20mA Outputs
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. 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:** 0-10,000 µS/cm scale Boiler sample method is selectable from continuous, timed sampling 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^oF (-17 to 52^oC)
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^oF(58^oC) Max
- **pH:** TPE-2 100 psi (6.8 bar) / 140^oF(58^oC) Max
- **ORP:** TOE-2 100 psi (6.8 bar) / 140^oF(58^oC) Max
- **Temperature:** TC-1 150 psi (10.3 bar) / 140^oF (58^oC) 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)

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