WATRX

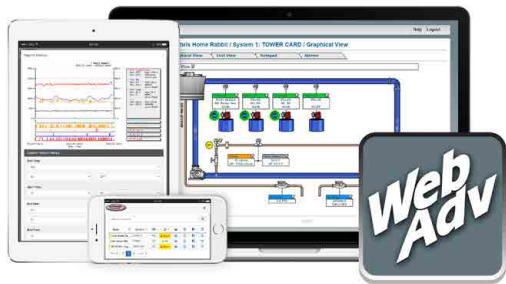## Water and Wastewater Monitoring/Control

Popular Sensor Inputs

- pH/ORP
- Conductivity
- Turbidity
- Temperature
- Chlorophyll-A
- Dissolved Oxygen
- Color
- Level, Flow, Pressure
- Chlorine, Bromine, Ozone, ClO_2

WebAdv

Cloud-Based Alarming, Monitoring, and Reporting of Water Conditions via WebAdvantage

ETL LISTED
Intertek

Key Features

- Simple Touch Screen Menu
- Customizable Display and Menu
- Integral Cellular Connection
- 5 or 10 Digital Inputs
- Up to 12 Sensor Inputs (4-20mA)
- Up to 8 (4-20mA) Output Controls
- Totalizing Flow Inputs
- Up to 10 Assignable Relays
- Onboard History Graphs
- Customizable Notepad
- Multi-Level Security Code
- Wi-Fi Capable
- E-mail Alarm Capable
- Modbus and BACnet Options

Application

MegaTron WATRX monitors provide an intuitive, touch-screen interface that seamlessly communicates with our WebAdvantage digital platform to provide drinking water and wastewater operators with immediate access to mission-critical information on water quality parameters.

The instrument can also be configured to add relay or 4-20mA output control functions. Advanced relay logic and a host of customized control options let you configure the unit to meet your specific needs.

The touch-screen is easy to use and program and every unit comes with access to WebAdvantage to provide web/cloud based access to data, settings and reporting capabilities.

Build a Model ⟶ WATR __ __ __ - __ __ __ __ __ __ __

The model number starts with **WATR** followed by the code for each sensor and option position. Each position must have a selection.
Example: **(WATR D J X - 1 A X X A A 1)**. Contact factory for additional sensor options not listed (Ozone, Total Chlorine, TSS, etc).

	Sensor 1 (X = No sensor)	Range 1	Range 2	Max psi	Temp Range	Flow Rate
A	pH - inline, 304SS body, CPVC tee	0.00-14.00 pH	none	100	40-140°F	0-10 gpm
B	pH/ORP - inline, 304SS body, CPVC tee	0.00-14.00 pH	±1,500	100	40-140°F	0-10 gpm
C	Conductivity - inline, CPVC body and tee	1 - 100,000 µS/cm	32-200°F	100	40-140°F	0-20 gpm
D	Conductivity - inline, 304SS body, CPVC tee	0 - 1,000 µS/cm	32-200°F	100	32-200°F	0-20 gpm
E	Chlorine/pH - clean water flow assembly	0-5 ppm	0.00-14.00 pH	30	40-140°F	0.25 gpm
F	Chlorine/pH - dirty water, brushing assembly	0-5 ppm	0.00-14.00 pH	30	40-140°F	0.25 gpm
G	ClO$_2$ /pH - clean water flow assembly	0-5 ppm	0.00-14.00 pH	30	40-140°F	0.25 gpm
H	Bromine/pH - clean water flow assembly	0-5 ppm	0.00-14.00 pH	30	40-140°F	0.25 gpm
J	Sulfite/pH - clean water flow assembly	0-5 ppm	0.00-14.00 pH	30	40-140°F	0.25 gpm
K	Turbidity - low range, inline, EPA 180.1 light	0.001-40.00 NTU	none	100	40-120°F	0-10 gpm
L	Turbidity - high range, submersible wiper	0-1,000 NTU	none	45	32-122°F	n/a
M	DO - optical, inline, 304SS body, CPVC tee	0-20 ppm or 0-200%	32-122°F	100	32-113°F	0-10 gpm
N	Chlorophyll-A - inline, CPVC body and tee	0-50 ppb	none	100	32-104°F	0-8 gpm
R	Monochloramine/pH - clean water flow assembly	0-5 ppm	0.00-14.00 pH	30	40-140°F	0-25 gpm

Sensor 2 & 3 (X = No sensor)
Choose from Sensor 1 list above.

Sensors E-T have 304SS body, K&L do not include a tee. K can be mounted in assembly with E-J. Sensors can be submersible with A-50732 adaptor.

Digital Inputs
1 - (5) digital inputs with alarms
2 - (10) digital inputs

Relay Options
A - (5) powered control relays
B - (5) dry contact control relays
C - (10) powered control relays
D - (5) powered & (5) dry contact relays
E - (10) dry contact relays

Additional mA Options (X = None)
1 - (4) mA output control
2 - (8) mA output control
3 - (4) extra mA inputs and (4) mA outputs

Flow Meter (Pulse) Inputs (X = None)
A - (10) flow meter inputs

Communications Card Options
A - WebAdvantage only
B - Modbus via Ethernet and WebAdvantage
C - BACnet via Ethernet and WebAdvntage

Cellular Service Options (X = None; Delay is for 3 months max; V=Verizon™, A=AT&T™)
A - Internal router with 12 months (V)
B - External router with 12 months (V)
C - Internal router with no data
D - Internal router with 12 delayed (V)
E - Internal router with 12 months (A)
F - External router with 12 months (A)

Enclosure Cover
1 - Clear cover
2 - Black cover

Specifications

Electrical Input: 95-240 VAC, 50/60 Hz

Relay Outputs: Dry contact relays pass through current is limited to 2.5mA at 28 VDC. Powered relay outputs same as incoming power individually fused and 2.5 amps.

Display: 6.875" Diagonal LCD Touch Screen

Digital Inputs: From open collector/open drain output or a dry contact. Inputs have 10K Ω pullup to 3.3 VDC.

Flow Totalizing Inputs: From open collector/open drain output or dry contact. Inputs use 10K Ω pullup to 5 VDC with a max input rate of 2.5 KHz.

mA Inputs: Optical isolation, 250 Ω / 5 VDC @ 20 mA. Loop voltage to not exceed 30 VDC.

mA Outputs: With non-isolated 12 VDC power from unit max load = 400 Ω. With isolated external 24 VDC power supply, max load = 800 Ω.

Enclosure: Heavy duty NEMA 4X style high impact ABS with padlockable, gasketed Lexan cover.

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

Shipping Weight: Approximately 10 lbs. (4.536 kg)

Dimensions:
W 13.5" (34.29 cm) x H 14.5" (36.83 cm) x D 7.125" (18.09 cm)

Get the Advantage