CHEMTROL® PC110xW Programmable Controller

Designed for wastewater applications

The PC110xW programmable controller is designed with six relay output channels for managing pH and oxidation processes, along with chlorine (ppm) and turbidity sensors, conductivity or TDS measurement, and temperature monitoring - making it ideal for wastewater applications.

Standard features include two water meter input connections, two programmable relay channels for additional equipment control, a programmable super-sanitization function, and a Langelier Saturation Index (LSI) display for water balance monitoring. The large, user-friendly 8-line LCD display allows operators to supervise all process functions at a glance, enabling quick and effective responses to changing conditions.

Mirror the controller screen on your mobile

Operate the controller
Anytime, Anywhere

Simple, Reliable and Flexible

Whether it's a swimming pool, spa, aquatic centre, water park, or industrial water treatment facility, chemical automation is the simplest and most efficient way to maintain optimal water quality.

Powered by advanced microprocessor technology, the Chemtrol® PC110 sets a new standard in automated control of sanitizers, oxidisers, and pH. Designed for ease of use, reliability, and straightforward installation, it also comes with an industry-leading five-year electronics warranty.

Standard Features

- pH control with a choice of acid or base feed
- Turbidity monitoring and control in NTU (0–1,000 / 0–10,000)
- Chlorine sensor for sanitiser level control in ppm or mg/L
- Conductivity (µS) or TDS (mg/L) monitoring
- Temperature monitoring
- Two water meter inputs using 4–20 mA signals
- Two programmable relay channels for additional equipment control
- Optional: 4–20 mA output, Modbus or BACnet protocols for seamless BMS and SCADA integration
- Langelier Saturation Index for water balance
- Remote alarm capability

AUSTRALIA CHEMTROL Smart. Clean. Simple

1300 585 820
sales@chemtrol.com.au

CHEMTROL® PC110xW Programmable Controller

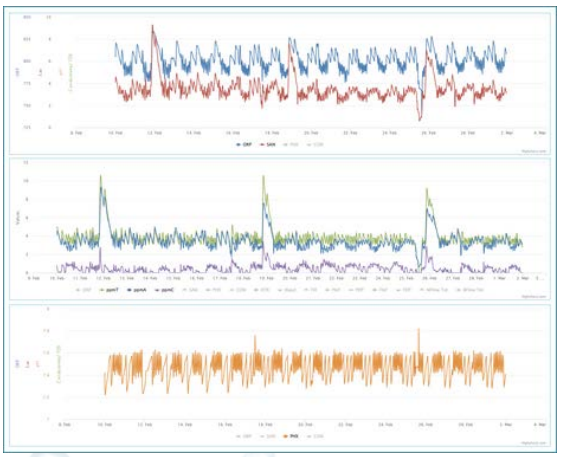
Hassle free installation

In our commitment to simplifying the installation of CHEMTROL® controllers, we have streamlined all components onto a customized assembly manifold for easy connection.

CHEMTROL® uPVC piping for bypass line assembly

- Plumbing manifold available for turbidity sensor, pH Process Probe, Conductivity and Temperature
- Flow adjustment valves
- Safety flow switch
- Water sampling valve

Turbidity management system with uPVC piping manifold



Control your facility 24/7 from anywhere

Smart web-server technology offers true duplex operation, providing identical screens on both the controller and your PC, laptop, or any mobile device. With the dedicated app available for Apple and Android, you can easily access the system from anywhere.

This feature is ideal for remote monitoring, operator training, troubleshooting, and real-time control of all operating functions. It also includes status reports, trend graphs, and automatic alerts via email or text messages.

The CHEMTROL® advantage

Discover the convenience of our waterproof cabinet, designed to seamlessly consolidate all your communication needs.

√ Remote monitoring and control via a secure, cloud-based web server using Ethernet or Wi-Fi

√ True duplex operation mirrors the controller display on your PC or any mobile device.

√ Wireless control enabled through a 4G or 5G router.

√ 4–20 mA signal output for monitoring key parameters.

√ Compatible with major BMS and SCADA protocols, including:
Modbus IP, Modbus RTU, BACnet IP, BACnet MSTP, and LonWorks.

BUILDING MANAGEMENT SYSTEM
BACnet Modbus

Automated water treatment since 1976

QUALITY	***Proven reliability and performance with 5-year electronics warranty***
TECHNOLOGY	***Remote monitoring and control with true duplex operation***
EXPERIENCE	***45+ years of research and development behind our product range***
SUSTAINABILITY	***Chemical & Energy saving programs designed to reduce operating cost***
PEACE OF MIND	***Consistent disinfection under varying conditions and regulations***

AUSTRALIA CHEMTROL Smart. Clean. Simple

1300 585 820
sales@chemtrol.com.au