



CHEMTROL® PC5100 Programmable Controller

Dual ppm control with UV Designed for pool and spa applications

The CHEMTROL® PC5100 controller is a fully programmable controller that offers a complete automatic control of water chemistry: pH, ppmF, ppmT, TDS, TEMP and ORP. Advanced microprocessor-based technology that introduces a new standard of sophistication in automated water treatment.

Designed to control dual ppm with UV. Free and Total chlorine sensors with direct reading in ppm or mg/l, plus heating control and water replacement, water make-up, water saturation, water balance, as well as display of the Langelier Saturation Index (LSI). The user-friendly main screen display enables the operator to supervise all the process functions at a glance and to quickly respond to any changing condition.



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

40+ 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

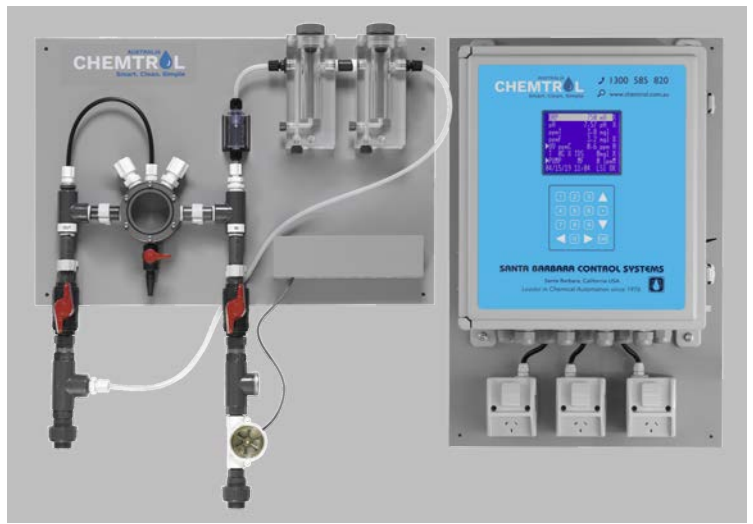
Key Features

- ✓ Dual ppm control with UV / Combined ppm
- ✓ Free and Total chlorine sensors (ppm)
- ✓ pH control with a choice of acid / CO2 or base feed
- ✓ TDS control with water replacement
- ✓ Heating control | Make up water control
- ✓ Langelier saturation index (LSI)
- ✓ By-pass line assembly with safety flow switch
- ✓ On-board data logging with adjustable intervals
- ✓ Choice of 1, 2 or 3 point calibration

Hassle free installation

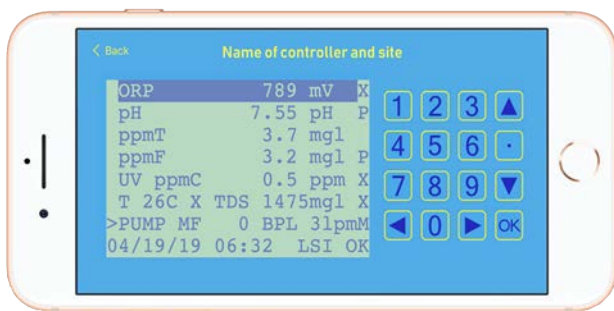
We want to make the installation of CHEMTROL® controllers as simple as possible. This is why we have everything mounted onto a customised manifold ready for connection.

- CHEMTROL Flow Cell Assembly (FCA)
- Paddle Wheel safety flow switch
- 12 mm glass pH/ORP probe holder
- Designated clear flow cell for 2x ppm sensors
- Flow adjustment valves & flow indicator
- Water sampling valve | TDS/TEMP fitting
- Slotted cable ducting for clean and neat installation



Remote monitoring with CHEMTROL® mobile app

We know that you need to control and monitor your facility 24/7, which is why our range of programmable controllers all have remote access capability. With the remote operation function any number of facilities can be controlled and monitored from your computer or via mobile app.



Smart web-server technology offers true duplex operation with identical screens on both the controller and your PC or any mobile device.

This is particularly useful for remote monitoring, operator training and troubleshooting, as well as real-time control of all operating functions including status reports, trend graphs and automatic alerts by email or text messages.

The CHEMTROL® advantage

✓ Our waterproof cabinet have all your communication requirements in one box

- Remote monitoring and control with our cloud base web-server via Ethernet port or WIFI interface
- True duplex operation technology that mirrors the controller display on your PC/ or any mobile device
- Wireless control using a router
- 4-20mA signal for monitoring display outputs
- Building Management System (BMS) Communications

- ✓ Modbus IP
- ✓ Modbus RTU
- ✓ BACnet IP
- ✓ BACnet MSTP
- ✓ and LonWorks



SANTA BARBARA CONTROL SYSTEMS

Santa Barbara, California USA
Leader in Chemical Automation since 1976

