

Chemtrol® PC5100

PROGRAMMABLE CONTROLLER

ORP / pH Control with 8-line LCD display and Dual Chlorine Sensors for Chloramine Control

U.S. Patent No. 5,895,565

SIMPLE, RELIABLE AND FLEXIBLE

The Chemtrol® PC5100 Programmable Controller is a user-friendly controller that introduces a new standard of sophistication in automated control of sanitizers (chlorine or bromine), oxidizers and pH. All menus are displayed in clear language in English, French or Spanish with choice of US or metric units. Each controller comes with an operation manual, on-site startup and training by a Qualified Dealer and the security of a 5-year electronics warranty.



**SANTA BARBARA
CONTROL SYSTEMS**

Leaders in Automated Water Treatment Since 1976
800-621-2279 | 805-683-8833 | sbcontrol.com



TECHNICAL SUPPORT

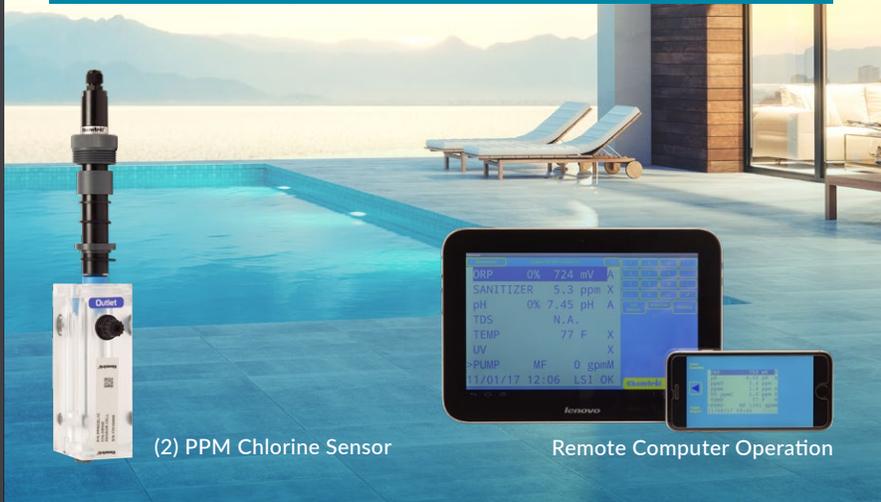
Receive immediate tech support. Our webserver communication enables immediate technical support remotely from our service department or with a Qualified Dealer. Call 1-800-621-2279 or email sales@sbcontrol.com.

STANDARD FEATURES

- ORP control of sanitizer and/or oxidizer activity
- pH control with choice of acid or base feed
- Programmable shock treatment and chemical savings cycles
- Langelier saturation index for water balance
- Automatic data logging for up to 999 tests
- Safety flow switch
- Compatible with all common sanitizers and oxidizers
- Flow cell assembly with clear cover and 3 valves
- Free Chlorine sensor with control in ppm or mg/l
- Total Chlorine sensor in ppm or mg/l
- Temperature control

AVAILABLE OPTIONS

- Conductivity / TDS control with bleed
- Automatic water level control with electronic sensor & fill valve control
- Main pump control (including VFD control) & flow rate monitoring on display
- Influent/effluent pressure monitoring with safety alarm
- MODBUS & 4-20 mA communication for BMS monitoring & control
- Webserver remote access, wired or wireless
- Chemical tank levels
- Main drain modulation



(2) PPM Chlorine Sensor

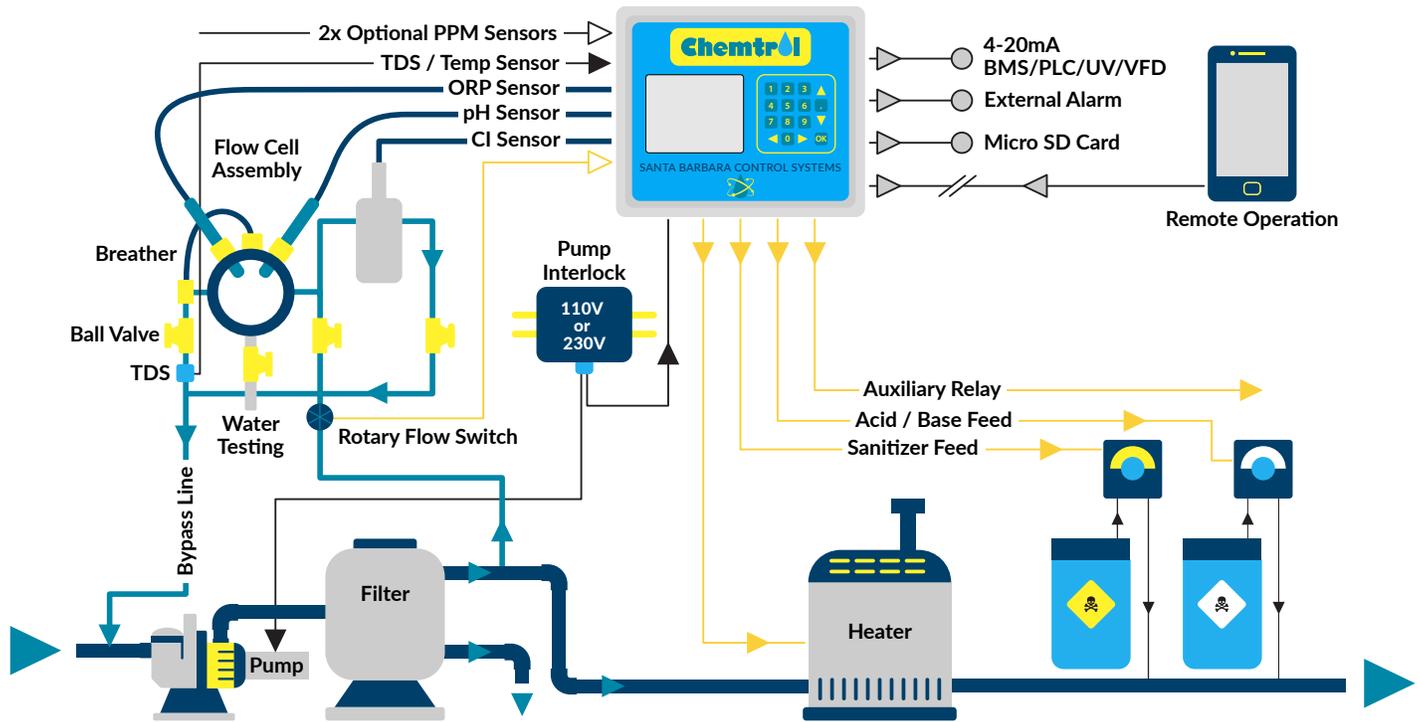
Remote Computer Operation

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MEASUREMENT		BENEFITS
ORP Control	200-999mV	Setpoint for oxidizer or reducer; programmable shock treatment and chemical savings cycles
pH Control	0-14	Setpoint for acid or base feed
Total/Free Active PPM Control	0.1 to 10 or 0.2 to 2 ppm or mg/l	Calculated combined chlorine, able to ramp UV
TDS	0-20,000 uS/cm or ppm	Conversion factor for Conductivity
Temperature	0 to 140 F (-18 to 60C)	
Langelier Index	-.5 to +.5 programmable	Calculated from pH, temp, total alkalinity & calcium hardness
Sensor Calibration	1, 2, or 3 points	
Control Modes	Off, manual, automatic, timer	On/off or proportional
Data Logging	Onboard memory up to 999 tests	Micro SD Card for local download
Alarms	High, low, out of range, run time and overfeed	Patented Probe Alert Safeguard provides visual, audio, and external alarms
BMS*	Webserver communication / 4-20mA Bacnet, Modbus, LON	Remote software & graphics display
Mechanical	6 x 9 x 11 in (15 x 23 x 29 cm)	Rain and splatter proof NEMA Type 3R
Electrical	10 A/110 or 230 V with selector switch	All output and alarm relays 5A / dry contact or voltage
Warranty	5 year electronics / 1 year sensor	
Shipping	16 x 16 x 12 in / 16 lbs. (41 x 41 x 31 cm / 7kg)	Carton
Approvals	UL, NSF 50 and CSA Approved	



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THE CHEMTROL GUARANTEE

Every unit we make is supplied with a comprehensive operation manual and is backed by our five year electronics warranty. Our customer support department is second to none, providing the technical support you need - and we've been part of over 100,000 installations worldwide.