

Chemtrol[®] CT

PROGRAMMABLE CONTROLLERS

Automated Water Treatment for
Cooling Towers, Boilers & Wastewater

SIMPLE, RELIABLE AND FLEXIBLE

Chemtrol[®] Programmable Controllers use an advanced, microprocessor-based technology that ushers in a brand new standard of sophistication in automated water treatment. Applications include cooling towers, boilers, industrial process water, food processing, drinking water and wastewater treatment. Easy to install and operate, each controller features true duplex remote operation. All information appears on a large LCD display, with choice of English, Spanish or French. Engineering units can be displayed in either U.S. or metric values. Entries are made using the 16-button, front-panel keypad. Each controller comes with an instruction manual 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

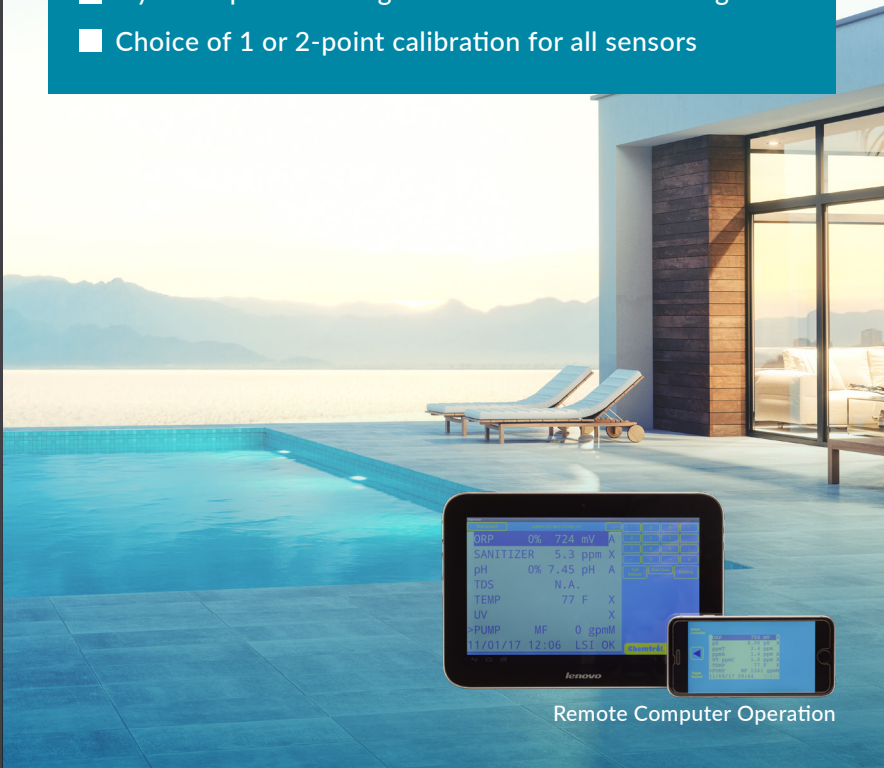
Receive **immediate tech support**. Our webserver communication enables immediate technical support remotely from our service department or with a Qualified Dealer. Call 1-800-621-2279 or email sales@sbcontrol.com.

STANDARD FEATURES

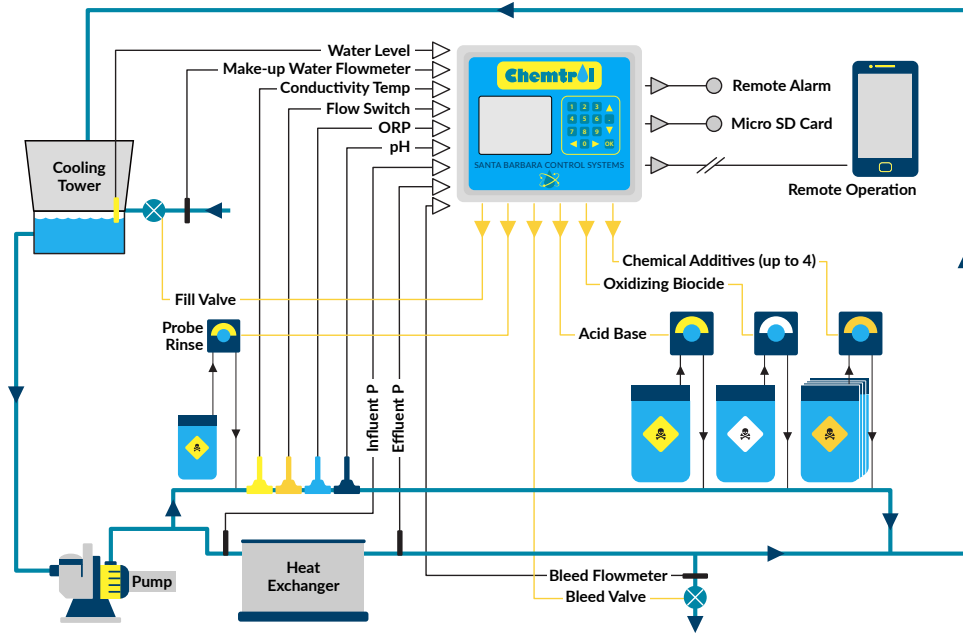
- Conductivity control with choice of bleed programs
- pH control with automatic acid and base feed
- ORP control for oxidizing biocide
- Temperature monitoring
- Makeup and bleed water flow programs
- Additive feed programs
- Filter control with choice of backwash programs
- Dynamic probe testing with sensor failure warning
- Choice of 1 or 2-point calibration for all sensors
- Onboard data logging with adjustable intervals
- Remote computer operation
- Langelier saturation index for water balance

CHEMTROL ADVANTAGE

- Large screens with easy-to-use menus & submenus
- True duplex remote operation
- Dynamic probe testing with sensor failure warning
- Choice of 1 or 2-point calibration for all sensors



Remote Computer Operation



SPECIFICATIONS		
TDS	0-2000, 0-20,000 uS/cm	Conversion factor for Conductivity
pH Control	0-14	Setpoint for acid or base feed
ORP Control	0-999mV	Setpoint for oxidizer or reducer
Temperature	0 to 140 F (-18 to 60 C)	
Sensor Calibration	1 or 2-point	
Control Modes	Off, manual, automatic, timer, bleed-then-feed, % of watermeter flow, daily schedule, bi-weekly schedule	
Langelier Index	-.5 to +.5 programmable	Calculated from pH, temp, total alkalinity & calcium hardness
Alarms	High, low, out of range, overfeed & total run time	Patented Probe Alert Safeguard provides visual, audio, and external alarms
Data Logging	Onboard memory up to 999 tests	Micro SD Card for local download
BMS*	Webserver communication / 4-20mA Bacnet, Modbus, LON	Remote software & graphics display
Electrical	10 A/110 or 230 V with selector switch	All output and alarm relays 5A
Warranty	5 year electronics / 1 year sensor	
Mechanical - CT110 CT3000 CT6000	12 x 10 x 6 in (305 x 254 x 152 mm) 13.21x11.21x6.59 in (336x285x167 mm) 15.21x13.21x7.09 in (386x336x180 mm)	NEMA 4X fiberglass cabinet
Shipping - CT110 CT3000 CT6000	16x16x12 in (41x41x31 cm) 13 lbs/6.0 kg 19x19x11 in (47x47x27 cm) 18 lbs/8.2 kg 24x18x18 in (61x46x46 cm) 28 lbs/12.7 kg	Carton
Approvals	UL, NSF 50 and CSA Approved	

FEATURES	CT110	CT3000	CT6000
Control relay outputs	6	8	14
Conductivity display & control	yes	yes	yes
Temperature display	yes	yes	yes
pH display & control	option	yes	yes
ORP display & control	option	option	yes
Watermeter inputs	2	2	2
Chemical feed programs	3	4	4
Chemical level alarm	yes	yes	yes
Safety flow switch	option	option	yes
Automatic probe rinse		yes	yes
Level & makeup valve control		option	yes
Fluorometer control & display	option	option	option
Corrosion rate monitoring		option	option
Automatic filter backwash			yes
Remote alarm		yes	yes
Datalogging & USB download	yes	yes	yes
Remote computer control	option	option	yes
Webserver communication	option	option	yes
B.M.S. communication	option	option	option

