

# Chemtrol™ PC2000

## PROGRAMMABLE CONTROLLER

**ORP / pH CONTROL**  
with Duplex Remote Control  
and Probe Alert™ Safeguard\*

\* U.S. Patent 5,895,565

Chemical Automation is now recognized as a must for many applications such as swimming pools, spas, cooling towers and industrial water treatment. With its advanced microprocessor-based technology, the **CHEMTROL™ PC2000** Programmable Controller introduces a new standard of sophistication in automated control of sanitizers (chlorine or bromine), oxidizers and pH.

### 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,
- ✓ **FULL SCREEN MENUS** in English, French or Spanish,
- ✓ Screen displays in **US** or **METRIC UNITS**,
- ✓ COMPATIBLE with all **COMMON SANITIZERS, OXIDIZERS,** and **AUTOMATED CHLORAMINE TREATMENT (A.C.T.) PROGRAM.**

### OPTIONS

- ✓ **SANITIZER CONCENTRATION** display in ppm or mg/l,
- ✓ Programmable **HEATER** control,
- ✓ **CONDUCTIVITY / TOTAL DISSOLVED SOLIDS (TDS)** control with autofill capability for salt generators,
- ✓ **REMOTE COMPUTER OPERATION** and **GRAPHIC DATA DISPLAY**,
- ✓ **ETHERNET** and **INTERNET** communication,
- ✓ **MODBUS** communication to Building Management Systems,

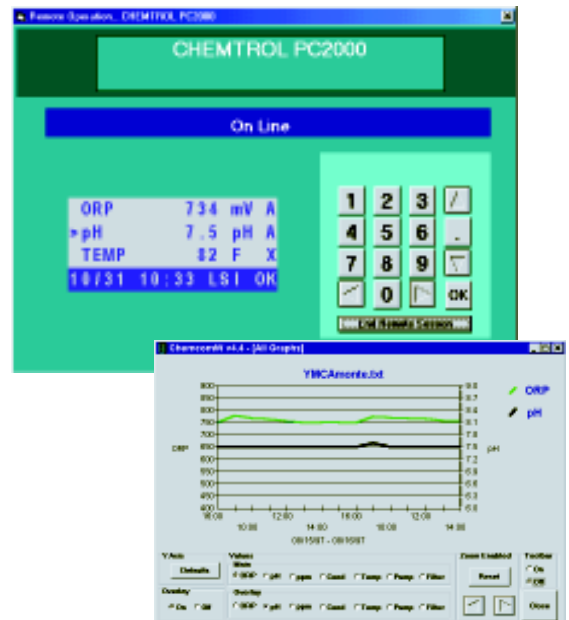
### SIMPLE AND RELIABLE

The **CHEMTROL™ PC2000** is a user-friendly and reliable controller that is easy to install and operate. All menus are displayed in clear language in English, French or Spanish with choice of US or metric units. Every unit is supplied with a comprehensive operation manual plus on-site start-up and training by a Qualified Dealer and a **FIVE-YEAR electronics warranty**.

### EXTENDED TECHNICAL SUPPORT

Technical support from **CHEMTROL™** is based on our experience with over 30,000 installations worldwide. It is available by toll-free phone, by fax or by e-mail.

- the **CHEMCOM™** Program for *Windows™* allows **immediate technical support** from our Service Department or from a Qualified Dealer by remote computer with true duplex operation.
- the patented **Probe Alert Safeguard\*** constantly monitors the response of the ORP and pH probes and alerts the operator in case of probe failure.



**REMOTE COMPUTER OPERATION**  
and **GRAPHIC DATA DISPLAY**  
under *Windows*

Visit our Web Site at [www.sbcontrol.com](http://www.sbcontrol.com) or call today for a free demo CD.

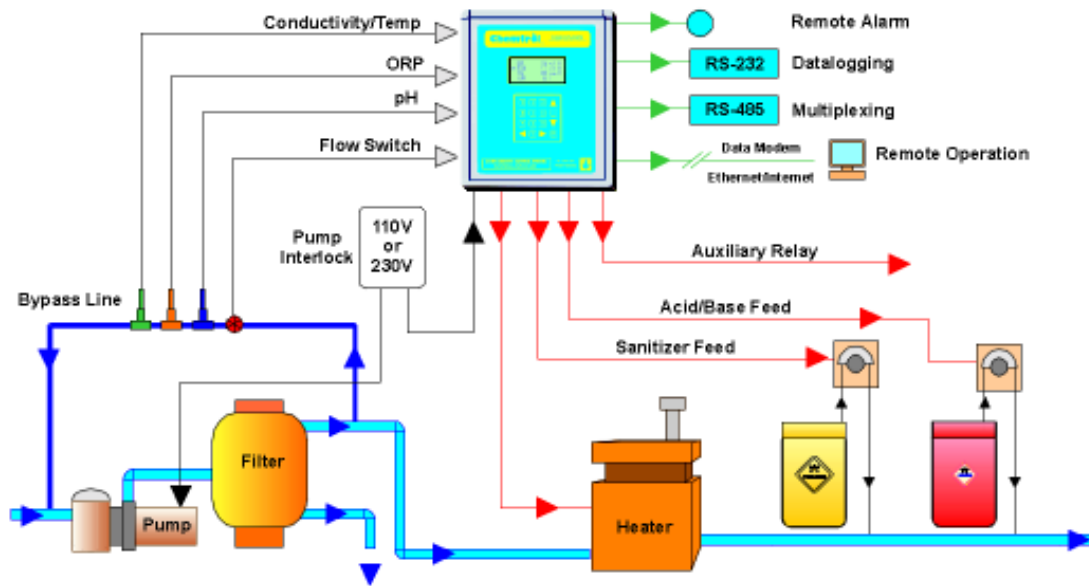


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INTERNET [www.sbcontrol.com](http://www.sbcontrol.com)

Leading in Automated Water Treatment Since 1976

## POOL/SPA INSTALLATION



## SPECIFICATIONS

### SCREEN DISPLAY

4 lines @ 20 characters  
200-999 mV

### ORP

Setpoint for oxidizer or reducer  
Programmable shock treatment  
and chemical saving cycles

### pH

0-14

### CONDUCTIVITY

Setpoint for acid or base feed  
0-20,000  $\mu\text{S}/\text{cm}$  or ppm  
Conversion Factor for TDS

### TEMPERATURE

0 to 140 F (-18 to 60C)

### LANGELIER INDEX

Calculated from pH, Temp,  
Total Alkalinity and Calcium Hardness  
Water Balance display

### SENSOR CALIBRATION

1, 2 or 3 points

### CONTROL MODES

Off, Manual, Automatic, Timer  
ON/OFF or Proportional Feed

### DATA LOGGING

On-board memory for 999 tests  
RS232 communications port

### ALARMS

High / Low out-of-range  
Total feed time and overfeed  
Patented Probe Alert\* Safeguard  
Visual, audio and external alarms

### REMOTE OPERATION

Data communication modem  
Ethernet/Internet modem

### MULTIPLEXING

CHEMCOM™ remote software and  
graphical display under Windows™  
RS485 port for multiple connections  
6x9 x 11in. (15x23 x 29 cm) fiberglass  
cabinet

### ELECTRICAL

Rain and splatter proof NEMA Type 4X  
10 A / 110 or 230 V with selector switch  
All output and alarm relays 5 A

### WARRANTY

5-year electronics  
1-year sensors

### SHIPPING

16 x 16 x 12 in. (41X41X31 cm) carton  
16 lbs (7 kg)

## MODEL SELECTION

### STANDARD FEATURES

- ✓ ORP CONTROL
- ✓ pH CONTROL
- ✓ LANGELIER SATURATION INDEX
- ✓ AUTOMATIC DATA LOGGING
- ✓ REMOTE ALARM
- ✓ RS232 FOR DIRECT DOWNLOAD

### OPTIONS

- FLOW CELL ASSEMBLY
- PPM SANITIZER DISPLAY
- HEATER CONTROL
- CONDUCTIVITY/TDS CONTROL  
WITH AUTO FILL FOR SALT GENERATORS
- RS485 FOR MULTIPLEXING
- REMOTE COMPUTER OPERATION
- ETHERNET / INTERNET REMOTE OPERATION
- MODBUS COMMUNICATION TO B.M.S.
- BYPASS LINE ASSEMBLY
- SENSOR CELL ASSEMBLY
- AUTODIALER FOR ALARM CALLOUT

### REPRESENTED BY: