

Chemtrol® 255

PPM/pH DIGITAL CONTROLLER

with
Free Chlorine Control

The **CHEMTROL® 255 PPM/pH Controller** features a new **CHLORINE SENSOR** that gives easy-to-use, direct and reliable readings of **Free Chlorine (HOCl + OCl⁻ + Chlorinated Isocyanurates)** concentration in water.

Unlike other sensors on the market, this sensor is simple to install and highly reliable. It does not require expensive reagents and is compatible with cyanuric acid (CYA) at all concentrations. It is so reliable that it carries a 2-year warranty.

True PPM Readings

The new **PPM Sensor** is a solid state sensor with a selective membrane that provides direct readings of Free Chlorine in water at concentrations ranging from 0.1 to 10 ppm (parts per million) or mg/l (milligrams per liter). These are true readings of Free Chlorine and not approximate values derived from ORP readings.

A key advantage of this sensor is that it is not affected by the use of any type of **Cyanuric Acid stabilizer** and/or **oxidizers**, thereby assuring constant Free Chlorine levels at all times. Extensive laboratory and field tests have shown it to be very accurate and reliable.

Easy to Install and Operate

Unlike conventional amperometric or colorimetric sensors, this sensor is easy to install and operate. It does not require a pressure flow cell and/or expensive and expendable chemical reagents.

As shown on the right, it is supplied with a special low pressure cell that ensures a smooth flow of water for precise and reliable control of Free Chlorine. And best of all, it's practically **maintenance free**.

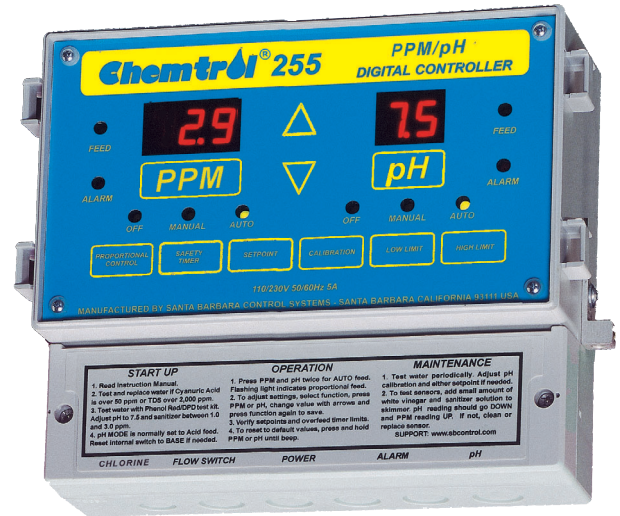
The **CHEMTROL® 255** is the only easy-to-use controller offering True Free Chlorine and pH control for pools, spas, cooling towers, industrial water treatment, etc.

For more information, contact your **CHEMTROL® Qualified Dealer** today.

800-621-2279

Fax 805-683-1893
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Phone 805-683-8833

5375 Overpass Road - Santa Barbara, CA 93111 USA



EXCLUSIVE FEATURES

- ✓ New Solid State Sensor with selective membrane for Free Chlorine
- ✓ Not affected by Cyanurates
- ✓ Not affected by Oxidizers
- ✓ No expendable reagents
- ✓ No pressure cell

PLUS

- ✓ Easy to install
- ✓ Simple to use
- ✓ All Functions on Front Panel
- ✓ Adjustable Setpoints
- ✓ Adjustable Alarms
- ✓ Acid/Base Selector
- ✓ Proportional Feed
- ✓ Overfeed Safety Timers
- ✓ Rain and Splash Proof Cabinet
- ✓ 5-year Electronics Warranty
- ✓ Toll-Free Technical Support

Automated Water Treatment Since 1976

EASY TO INSTALL

EASY AS 1-2-3

1

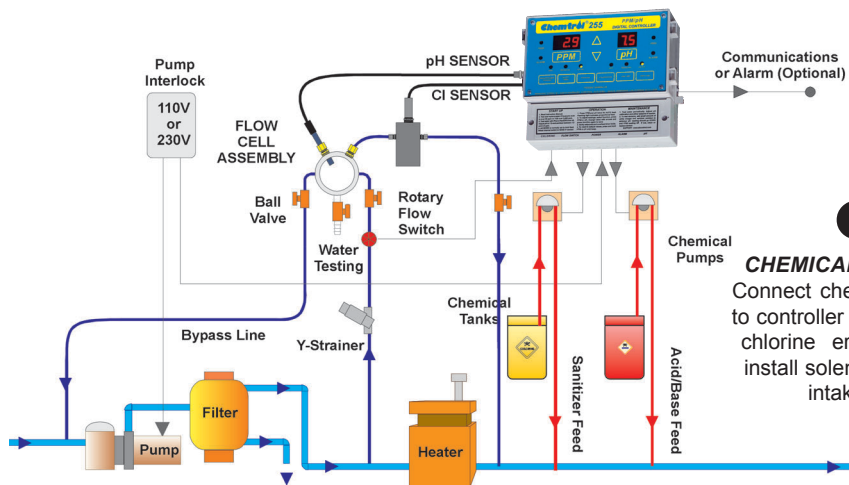
CONTROLLER

Connect controller to Timer in parallel with Main Pump. Make sure to follow electrical codes.

2

SENSORS

Insert sensors in Flow Cell after Filter and Y-Strainer.



3

CHEMICAL FEEDERS

Connect chemical feeders to controller outputs. For a chlorine erosion feeder, install solenoid valve on intake line.

SIMPLE TO OPERATE

The **CHEMTROL® 255 PPM/pH Controller** automatically maintains both Free Chlorine concentration and pH of the water.

All operating functions are clearly labelled and accessible from the front panel, with safety and easy-reset features not found on other controllers.

The Free Chlorine concentration can be adjusted from 0.1 to 10 ppm (or mg/l) based on local Health Department and NATIONAL SPA AND POOL INSTITUTE (NSPI) values for prevention of germs and bacteria (or from 0.01 to 2.0 for low chlorine level applications).

The standard pH control level is 7.5. Below 7.4, the water is too acidic and causes corrosion and eye irritation. Above 7.6, it is too alkaline and causes eye irritation plus water cloudiness, scaling, stains and reduced sanitizer efficiency.

A SOUND INVESTMENT

The **CHEMTROL® 255 PPM/pH Controller** is based on 25+ years of experience in pool and spa automation with over 25,000 installations worldwide. Featuring a 5-year electronics warranty, it **actually pays for itself in 1 to 2 years** through cost savings in operating and maintenance expenses.

Savings continue to accrue from the more efficient use of chemicals, avoiding over- and underfeeding, and from lower labor costs for water testing and repairs of damaged equipment. In particular, commercial operators save on **specialty chemicals, customer complaints and health department shutdowns.**

SPECIFICATIONS

PPM CONTROL

Standard from 0.1 to 10 ppm (mg/l)
Optional from 0.02 to 2.0 ppm (mg/l)

pH CONTROL

Adjustable from 7.0 to 8.0

PPM SENSOR

Solid State with Selective Membrane

pH SENSOR

Glass electrode with 10-ft (3 m) cable

READOUTS

PPM (3 digits) and pH (2 digits) LEDs

FEED MODES

Manual, automatic, proportional

ADJUSTMENTS

Setpoint, calibration, limits, feed rate

INDICATORS

LEDs for feed mode, feed status, alarms

SAFETY

Audio, visual and remote alarms

CABINET

Out-of-range limits and overfeed safety timers

ELECTRICAL

Polystyrene 9x7x4 in. (22x18x10 cm)

PLUMBING

110V, 230V or 24 VAC (specify)

WARRANTY

Sensor Cell Assembly with Y-strainer

5 years on electronic module

1 year on all other parts

SHIPPING

12x12x12-in (30x30x30 cm) carton

9 lbs (4 kg) without pumps

18 lbs (8 kg) with 2 chemical feed pumps

AUTHORIZED CHEMTROL® DEALER