CHEMTROL® CH255

PPM/pH Digital Controller

The **CHEMTROL® 255** PPM/pH Digital Controller feature the new Chlorine Sensor that gives easy-to-use, direct and reliable reading of Free Chlorine concentration in water.
It does not require expensive reagents and is compatible with cyanuric acid (CYA) at all concentrations.
This sensor is simple to install and highly reliable that it carries 2-year warranty.

New Solid State Sensor with selective membrane for Free Chlorine

- √ **Not affected by Cyanurates**
- √ **Not affected by Oxidizers**
- √ **No expendable reagents**
- √ **No pressure cell**

FEATURES

- Easy to install
- Simple to use
- All Functions on Front Panel
- Adjustable Set-points
- Adjustable Alarms
- Acid/Base Selector
- Proportional Feed
- Overfeed Safety Timers
- Rain and Splash Proof Cabinet
- 5-year Electronics Warranty

RETURN ON INVESTMENT

CHEMTROL® digital range of microprocessor-based controllers are the result of 40+ years of water treatment and chemical automation research and development. With 50,000+ installation worldwide our equipment is relied upon to guarantee clean and safe water for clients across a wide array of domestic, commercial and industrial applications. The CHEMTROL® CH255 features a 5-year electronic warranty, it actually pays for itself in less than 2 years through cost saving in operating and maintenance expenses.

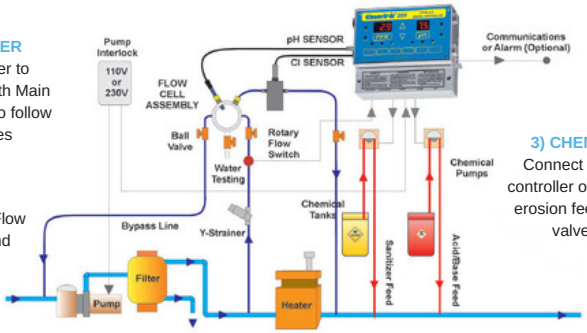
1300 585 820

AUSTRALIA
CHEMTROL
Smart. Clean. Simple

Installation of the CHEMTROL® 255 is as 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.

True PPM reading

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.

Simple to operate

The **CHEMTROL® 255** automatically maintains both Free Chlorine concentration and pH of the water. It feature a new CHLORINE SENSOR that gives easy-to-use, direct and reliable readings of Free Chlorine (HOCl + OCl- + Chlorinated Isocyanurates) concentration in water. 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.
All operating functions are clearly labelled and accessible from the front panel, with safety and easy-reset features:
The Free Chlorine concentration can be adjusted from 0.1 to 10 PPM (mg/l) based on local Health Departments values from prevention of germs and bacteria (or from 0.01 to 2.0 for low chlorine level applications).
The default pH control 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 efficiently.

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 4.0 to 10.0
PPM SENSOR	- Solid State with Selective Membrana
pH SENSOR	- Glass electrode with 3 m cable
READOUTS	- PPM (3 digits) and pH (2 digits) LEDs
FEED MODES	- Manual, automatic, proportional
ADJUSTMENTS	- Set-point, calibration, limits, feed rate
INDICATORS	- LEDs for feed mode, feed status, alarms
SAFETY	- Audio, visual and remote alarms Out-of-range limits and overfeed safety timers
CABINET	- Polystyrene 22x18x10 cm
ELECTICAL	- 230VAC or 24VAC (specify)
PLUMBING	- Sensor Cell Assembly with Y-strainer
WARRANTY	- 5 years on electronic module 1 year on all other parts
SHIPPING	- 30x30x30 cm carton, 4kg without pumps 8kg with 2 chemical pumps