

For Cleaner and Safer  
Pools and Spas



## CHEMTROL® CH250 ORP/pH Digital Controller

The **CHEMTROL® 250 ORP/pH** Digital Controller automatically maintains both sanitizer ORP (oxidation-reduction potential) and water pH in Residential pools and spas, Commercial pools and spas and light Industrial Water applications. Simple to install, easy to use, and compatible with all common sanitizers and oxidizers.

For complete peace of mind, proven reliability and performance, the **CHEMTROL® CH250** is fully automated 'set and forget' chemical control system.

### 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® CH250** feature a 5-year electronic warranty, it actually pays for itself in less than 2 years through cost saving in operating and maintenance expenses.

### 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

### IDEAL FOR

- Homes / Residential pools and spas
- Commercial pool and spas
- Hotels / Motels
- Health Clubs
- Apartment Buildings
- Condos
- Industrial Water Treatment

1300 585 820

AUSTRALIA  
**CHEMTROL**  
Smart. Clean. Simple

# Installation of the CHEMTROL® 250 is as easy as 1-2-3

## 1) CONTROLLER

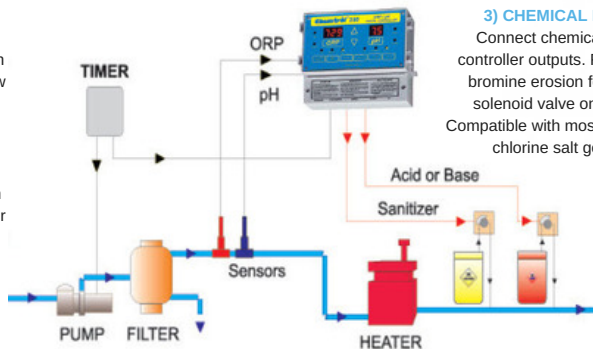
connect controller to Timer in parallel with Main Pump. Make sure to follow electrical codes

## 2) SENSORS

ORP and pH sensors on recirculation line after filter or bypass line

## 3) CHEMICAL FEEDERS

Connect chemical feeders to controller outputs. For chlorine or bromine erosion feeder, install solenoid valve on intake line. Compatible with most ozonators and chlorine salt generators



## Easy to use

Bright LCD display shows the ORP and pH readings, the calibration adjustments and the alarm limits. Five LED lights indicates the operating modes: Off, Manual, Auto, Feed status, out-of-range alarms and overfeed alarms. The front panel controls include set-point, calibration, low and high alarm limits, safety timer limit and proportional feed adjustment. Feed control is either on/off or Proportional. The Proportional feed is particularly useful to avoid overfeeding in small bodies of water. it reduces the fed cycle time progressively as the sensor reading approaches the set-point.

**CHEMTROL® CH250** is a user-friendly and reliable controller, as well as easy to install and operate. The controller supplied with a comprehensive operation manual and a **5-year electronics warranty**.

## Simple to operate

The **CHEMTROL® 250** automatically maintains both sanitizer ORP (oxidation-reduction potential or Redox) and water pH in Pools and Spas. All operating functions are clearly labelled and accessible from the front panel, with safety and easy-reset features.

**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 efficiency.

**The default ORP control level is 700 mV,** based on local Health Departments and World Health Organisation (WHO).

**NOTE:** not recommended with electrolytic chlorine generators.

## Specifications

- ORP CONTROL** - Adjustable from 400 to 900 mV
- pH CONTROL** - Adjustable from 4.0 to 10.0
- ORP SENSOR** - Platinum electrode with 3 m cable
- pH SENSOR** - Glass electrode with 3 m cable
- READOUTS** - ORP (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** - PVC tees for 1/2", 1-1/2" or 2" line
- WARRANTY** - 5 years on electronic module
- SHIPPING** - 30x30x30 cm carton, 4kg without pumps  
8kg with 2 chemical pumps