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poolCHEM-2



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TPS Australia - Quality hand-made instruments since 1968.

Nothing's as cool, as a freshwater pool™

poolCHEM-2 ORP and pH Controller for Pools and Spas

The Plus Pack, which was previously optional, is standard from 2005.



Automatic controller for ORP and pH in Swimming and Spa Pools. The breeze.

Temperature readout is provided. Supplied with sensors, calibration standards and all accessories required for installation.

The new advanced design makes this unit far superior and yet easier to use than other brands. The poolCHEM is the culmination of over 30 years manufacturing experience.

[Full size image](#)

- ◆ Waterproof construction rated to IP65.
- ◆ Two 6L/Hr peristaltic pumps built in.
- ◆ Memory for 2300 stored readings, with automatic datalogging facility.
- ◆ RS232 Interface for remote monitoring of system (cable is optional).
- ◆ Pump sensor only allows automatic dosing when circulating pump is on.
- ◆ Graphic display mode makes the
- ◆ Quick-dose function
- ◆ Temperature readout.
- ◆ Fully adjustable ON and OFF times can be set separately for ORP and pH pumps, eliminating over-dosing.
- ◆ User can select acid or alkali addition.
- ◆ Password protection, so only qualified users can change set-up or calibration.
- ◆ Good laboratory practices (GLP) function brings analytical Q.A. to

- ◆ data easy at a glance.
- ◆ Automatic calibration
- ◆ Configure with pool size for quick set-up
- ◆ Operates off a single AC/DC power supply. No electrical installation required.
- ◆ Supplied complete with Sensor / Injection pipe fitting.

- swimming pools. Instant recall of current calibration and system set-up information.
- ◆ 24 Hour calendar clock.
- ◆ Emergency shutoff timer shuts off ORP and pH pumps if they operate continuously for user-set time.

Specifications

ORP

Range : 0 to 1000 mV
 Resolution : 1 mV
 Accuracy : +/-1 mV

pH

Ranges : 2.0 to 12.0 pH
 2.00 to 12.00 pH
 (user selectable)
 Resolutions: 0.1 pH
 0.01 pH
 Accuracy : +/-0.01pH

Temperature

Range : -10.0 to 120.0 °C
 Resolution : 0.1 °C
 Accuracy : +/-0.2 °C

Temperature Compensation

Automatic Temperature Compensation for pH. Uses temperature sensor built into ORP sensor

Calibration

Automatic calibration for all parameters, with automatic standards recognition.

Enclosure

Tough ABS enclosure, fully waterproof to IP65.

Display

80 Character alphanumeric LCD with user-friendly menu system and full-text messages.

Dimensions

210 x 180 x 90 mm

Mass

Full Kit : Approx 3.0kg

Good Laboratory Practices

All calibration information and user-adjustable set-up information is stored in memory, and can be recalled on the display at any time. This information can also be printed or downloaded to a computer, when the optional RS232 cable is fitted.

The unit's serial number is stored in memory. This is displayed at turn-on, and included with GLP information.

Plus-Pack

(previously optional, but standard from 2005)

The Plus Pack includes the following items...

- ◆ RS232 Serial Interface for
- ◆ Datalogging capability.
- ◆ 24 Hour Calendar Clock.
- ◆ Selectable High or Low

Datalogging

Memory

2300 readings, including date and time.

Notepad

Records reading into memory at the touch of a button.

Automatic Datalogging

User selectable for one reading every...

1,2,5,10,15,20 or 30 minutes
 or every...

1,2,3,4,6,8,12 or 24 hours

RS232 Serial Interface

300, 9600 and 19200 Baud.

8 Bits, No Parity, 1 Stop Bit,
 XON/XOFF Protocol

Note : RS232 cable is optional.

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