

# diaLog800 Pool Package

The **ProMinent® diaLog800** pool package is the ideal system for monitoring and controlling water chemistry parameters on a pH and free chlorine basis in outdoor swimming pools.

## Applications

- Commercial Aquatic Centres.
- Learn to Swim pools.
- Hydrotherapy pools.

## Package includes

- diaLog Controller (pH/chlorine).
- pH probe & free chlorine probes
- CO<sub>2</sub> controller & injection assembly.
- Probe holder & flow switch assembly.
- Inline filter assembly.
- 25m roll of sample line tube.

## Features & Benefits

- Single point calibration of probes.
- Provides optimum control of pH and chlorine levels.
- Pulse frequency relay for controlling metering pumps.
- Illuminated display.
- Backboard mounted, pre-wired and tested.
- Isolation of probes possible.
- Amperometric probe for accurate measurement of free available chlorine in the presence of cyanuric acid.
- Power relays can be configured as alarms, limit values or pulses with modulated control outputs for metering pumps.
- Analogue output 0/4-20 mA for measurement/control outputs.
- Chemical dosing stops when no flow is detected through sample line.
- Visual display of CO<sub>2</sub> flow.
- Adjustable CO<sub>2</sub> flow, up to 25 l/min.
- Water chemistry data is stored on a 512MB SD card.



## Technical Data - diaLog800 Pool Package

### DULCOMETER diaLog DACa Controller

|                        |   |
|------------------------|---|
| Measuring range        | Chlorine 0 ..... 10ppm<br>pH 0 ..... 14   |
| Resolution             | pH: 0.01 chlorine: 0.01ppm  |
| Accuracy               | 0.3 % based on the full-scale reading   |
| Control characteristic | P/PID control   |
| Signal current output  | 3 x 0/4 ... 20 mA electrically isolated, max. load 450 $\Omega$ ,<br>range and allocation (measured, correction, control variable) can be set |
| Control outputs        | 2 x 2 pulse frequency outputs for metering pump control<br>2 relays (limit value, 3-point step or pulse length control)<br>2 x 0/4 ... 20 mA  |
| Electrical connection  | 90-253 V, 50/60 Hz, 25 VA   |
| Ambient temperature    | 5 ... 55 °C   |
| Enclosure rating       | IP 67   |

## Components - diaLog800 Pool Package

| Description                         | Qty | Part No              |
|-------------------------------------|-----|----------------------|
| DULCOMETER diaLog Controller        | 1   | DACA00612000010010EN |
| pH probe                            | 1   | SP100-4330-DH        |
| Chlorine probe CTE1-mA-10ppm        | 1   | 740684               |
| Probe holder & flow switch assembly | 1   | DGMA311T000          |
| Probe cable                         | 1   | 305030               |
| Cable 2 core                        | 2   | A04001289            |
| Adaptor PVC 1/2" to 8 x 5 mm        | 2   | PA07221061           |
| PE tube 25m 8 x 5 mm                | 1   | A25251004            |
| Filter Assembly                     | 1   | P3240T0235-D         |
| Backboard 600 x 500 White LDPE      | 1   | A35082644            |
| pH 4 buffer                         | 1   | 506251               |
| pH 7 buffer                         | 1   | 506253               |
| CO2 Controller                      | 1   | PA31002458           |
| CO2 Fixed Injection Assembly        | 1   | PA09751676           |

## Package Dimensions

630 x 570 x 130 mm (H x W x D)

Weight 10.5kg (unpacked)

### ProMinent Fluid Controls Pty Ltd

[www.prominentfluid.com.au](http://www.prominentfluid.com.au)

**QLD Office:** Unit 1, 68 Murdoch Circuit  
ACACIA RIDGE QLD 4110  
Ph: (07) 3213 1900 Fx: (07) 3272 0445  
Email: [pfcqld@prominentfluid.com.au](mailto:pfcqld@prominentfluid.com.au)

**Head Office:** Unit 4, 4 Narabang Way  
BELROSE NSW 2085  
Ph: (02) 9450 0995 Fx: (02) 9450 0996  
Email: [sales@prominentfluid.com.au](mailto:sales@prominentfluid.com.au)

**VIC Office:** 1/21-22 National Drive  
HALLAM VIC 3803  
Ph: (03) 8795 7430 Fx: (03) 8795 7431  
Email: [pfcvic@prominentfluid.com.au](mailto:pfcvic@prominentfluid.com.au)