# 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.
- $CO_2$ controller
- 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 prescence 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 $CO_2$ flow
- Adjustable $CO_2$ flow, up to 25 l/min.
- Water chemistry data is stored on a 512MB SD card.

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# Technical Data - diaLog800 Pool Package

## DULCOMETER diaLog DACb Controller

| | | |
|---|---|---|
| Measuring range | Chlorine | 0 .... 10ppm |
| | pH | 0 .... 14 |
| Resolution | pH: 0.01 | chlorine: 0.01 ppm |
| 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 Ω, range and allocation [measured, correction, control variable] can be set | |
| Control output | 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 | DACBW006VA0000010010EN |
| pH Probe | 1 | SP100-4330-DH |
| Chlorine probe CTE1-mA-10PPM | 1 | 740684 |
| Probe holder & flow switch assembly | 1 | DGMA311T000 |
| Probe cable | 1 | 1024105 |
| Adaptor PVC 1/2” to 8 x 5mm | 1 | PA07221061 |
| PE tube 25mm 8 x 5mm | 1 | A25251004 |
| Filter assemby | 1 | 3240T0235 |
| Backboard 600 x 500mm White LDPE | 1 | A35082644 |
| pH 4 Buffer | 1 | 506251 |
| pH 7 Buffer | 1 | 506253 |

# Package Dimensions

- 630 x 570 x 130mm [H x W x D]
- Weight 10.5kg [unpacked]

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