



DATA SHEET

Amperometric free chlorine/Bromine, pH and redox control system suitable for commercial water treatment applications

A simple three-button interface gives you access to a range of functions including:

- Ease of use with a simple menu structure in plain English
- A large graphical display provides present and historical data
- Six weeks data logging of user actions, events and chemical levels accessed on screen
- Redox monitoring to meet current European standards
- Full proportional control of the dosing pumps and ancillary items
- Time out overfeed and protection against no flow
- Programmable codes to restrict access to designated operators
- Flocculent and agitator timer control
- Manual override facility of dosing pumps and ancillary items

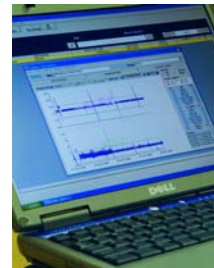
The TEC 2000 easily enables you to monitor, control and manage your facility and safely achieve accurate chemical levels. It also fully supports current European standards, so you can easily adopt these without the need for an expensive upgrade.

The controller, including our sample cell with integrated flow switch, is supplied factory mounted on an acrylic backboard to aid installation. Each unit is covered by a twelve-month warranty and a free commissioning and training visit by a Toplevel engineer.

Remote monitoring software

Control dosing of your commercial pool from your PC via a modem or direct connection

For ultimate flexibility, Toplevel has developed software that enables you to interact with your pool control system via your PC. This gives you the ability to:



- Access all the information available on the TEC 2000
- Adjust settings in response to the data received via two way communication

By analysing the reports downloaded to your PC, you gain valuable historical information that can help you reduce labour and maintenance downtimes.

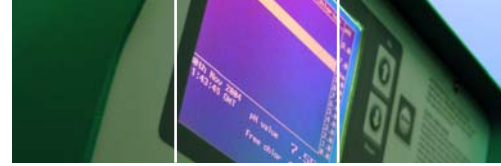
Energy Control System Considerable cost savings for your commercial pool operation

As an optional extra, the Energy Control System can be added to the TEC 2000. This has been designed to help reduce your energy consumption – saving up to 50% on your bills.

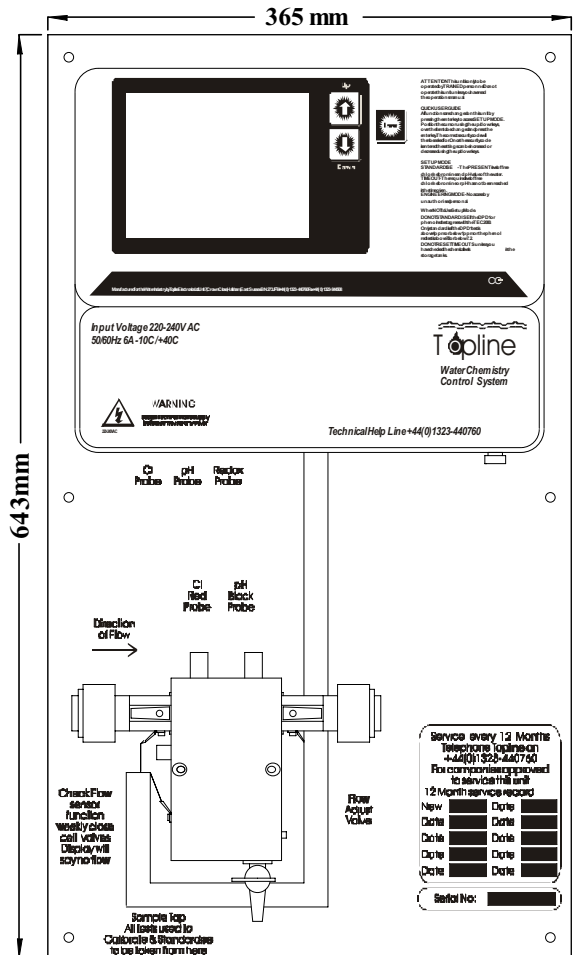
- Circulation pump speed is reduced when chemical levels are acceptable
- Circulation pump speed is reduced in off peak periods

Based on typical energy costs in 2008, our calculations indicate that savings of up to £6500.00 on a typical leisure club can be achieved over a full twelve months. As energy costs are set to rise dramatically over the next few years, the Toplevel Energy Control System could prove a valuable asset that soon pays for itself.

TEC 2000



TECHNICAL DATA	TEC2000 Control System
	Width 365mm, Height 643mm, Depth 110mm
Weight	5kg
Power Requirement	240 VAC single phase 50 Hz.
Power Consumption	20 watts (excluding feeders)
Operating Temperature	0-50 degrees centigrade
Enclosure	Metal IP54
Front control panel	Polyester membrane
Display	Graphic LCD 1/4 VGA 120mm wide x 90mm high
Chlorine sensor	Amperometric 3 electrode system Measuring range 0-40 mg/l
pH sensor	Glass with internal reference Measuring Range 0-14 pH
Redox	+/- 2v (option)
Outputs	Chemical feeder outputs are 3 x 240 VAC 2amps switched Chlorine or Bromine, Acid and Alkali External Alarm Voltage free no / nc contacts RS232 data port RS485 data port Remote display repeater BMS output 0-10v pH, chlorine and redox Optional modem Timed 240 VAC 2 amps electric agitator Timed 240 VAC 2 amps flocculent Battery less real time clock Energy Control System (option) Six week datalogger
Inputs	3 analogue 1 digital flow sensor 3-key information input pad



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