POWERFUL, AFFORDABLE WATER CHEMISTRY MANAGEMENT.

Trusted by commercial pools, spas and waterparks around the world, the CAT 2000® constantly monitors pH and sanitizer activity to maintain safe and healthy water quality at all times. Compatible with chlorine, bromine and salt systems.

### POWERFUL CHEMISTRY CONTROL

CAT 2000 pairs CAT Professional Series pH and ORP sensors with a digital, microprocessor-based control interface to make commercial water quality management simple. Advanced control features, like proportional feed, help ensure that the water is always balanced and safe while reducing chlorine consumption.

### DURABLE DESIGN

Mounted on a durable PVC backboard, CAT 2000 also features a weatherproof membrane interface for maximum protection against the elements. The sensors are long lasting and low maintenance, and all factory settings are permanently stored in memory in case a reset is ever needed.

### PACKAGED FOR EASY INSTALLATION

CAT 2000 (CAT-2000 and CAT-PP2000) includes the controller, sensors, a flow cell and a flow sensor, all factory assembled on a PVC backboard for easy installation. It’s also compatible with all existing chemical feed systems—even salt chlorinators.
TECHNICAL SPECIFICATIONS

Enclosure  
7.25" x 8.25" x 2.63" glass-filled polycarbonate

Interface  
UV-protected Lexan membrane switch

Certifications  
UL94-5V (UL746 C5), NEMA type 1, 4, 4X, 6, 12, 13
NSF / ANSI Standard 50

Display  
Light-emitting diode

Keys  
Embosed with stainless tactile domes

Display Range  
pH 1.0-9.9 / ORP 5-995 mV

Flow Cell  
Injection-molded machining acrylic*

Backboard  
CNC machined and beveled PVC

Flow Sensor  
Float-style magnetic with embedded reed switch*

Power Input  
USA - 15 Amp, 120 VAC 60 Hz
Intl. - 10 Amp, 230 VAC 50/60 Hz**

Output Power  
pH / ORP relays - 4 Amp, 120/230 VAC
Auxiliary Relay  
AUX pH / ORP relays - dry contacts - 4 Amp

Communications  
RS232 serial interface
Remote alarm - dry contact relay - 4 Amp

Safety Systems  
pH low and high alarms
ORP low and high alarms
pH priority feed
Supplemental feed modes
pH and ORP overfeed timeout
Flow alarms

Set Point Range  
pH 7.0-8.0
ORP 200-995 mV

Control Accuracy  
pH +/- 0.1 pH
ORP +/- 5.0 mV

Alarm Ranges  
pH - low 6.0 pH / high 9.0 pH
ORP - low 200 mV / high 995 mV

Mode Selections  
pH automatic / off / manual for 30 minute direct feed
ORP automatic / off / manual for 30 minute direct feed
pH feed - acid or base
ORP mode - auto / set
pH mode - auto / set / calibrate

Optional Equipment  
RS232 serial interface cable
Remote alarm - dry contact relay - 4 Amp

Inputs  
CAT Professional Series pH sensor
CAT Professional Series ORP sensor
CAT magnetic float - flow sensor
Thermal printer / data logger

Outputs  
pH acid feed
pH base feed
ORP sanitizer feed
Chlorine generation interface
Remote alarm
Data output through RS232

Warranty  
5-year limited warranty on controller
2-year warranty on sensors

*Standard Package includes Molded Flow Cell and Float-Style Flow Sensor
**For international version and part number information, please contact your local Hayward® sales representative
***Professional Package includes Machined Acrylic Flow Cell and Rotary Flow Sensor

PART NUMBERS

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<tr>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
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<td>CAT2000</td>
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DIMENSIONS

(CAT 2000 Professional Package)

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