



CAT CONTROLLERS®  
**CAT 2000**®  
AUTOMATED WATER CHEMISTRY CONTROLLER

Affordable and Reliable  
Chemical Automation,  
NSF Certified



Chemical automation is recognized by health officials and industry leaders as the safest, most effective method of maintaining precise, healthy water balance. Swimming pools, spas, waterparks and water treatment applications worldwide count on genuine CAT Controllers to ensure perfect water quality.

The CAT 2000 constantly monitors pH and sanitizer activity (chlorine, bromine, even salt systems) and automatically implements chemical feeding in proportion to demand for picture-perfect water quality at all times.

- Simple installation, set up and operation
- Compatible with all types of chemical feed equipment
- Long-life, low-maintenance 2-year warranty sensors
- Factory assembled system includes: controller, sensors, machined acrylic flow cell, rotary flow sensor and PVC backboard
- NSF/ANSI Standard 50 Certified

# CAT 2000<sup>®</sup>

## AUTOMATED WATER CHEMISTRY CONTROLLER

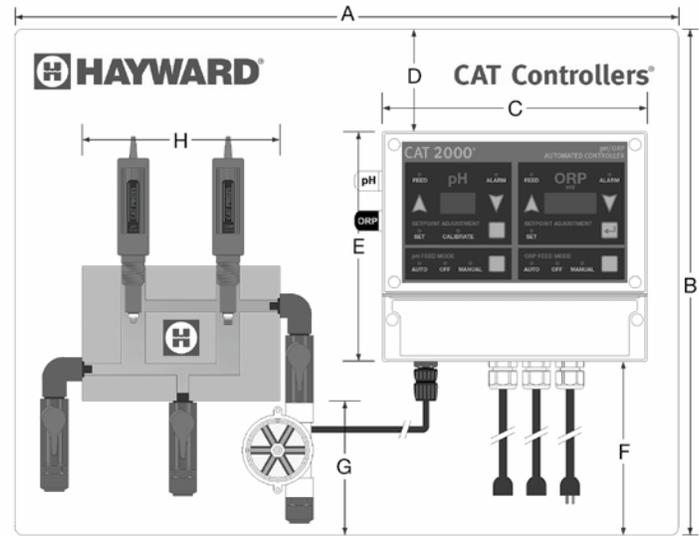
### TECHNICAL SPECIFICATIONS

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	Embossed with stainless tactile domes
Display Range	pH 1.0-9.9 / ORP 5-995 mV
Flow Cell	Machined acrylic
Backboard	CNC machined and beveled PVC
Flow Sensor	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	Machined acrylic flow cell Injection molded flow cell with integral baffles RS232 serial interface cable 2 - lead low-voltage cable Thermal printer / data logger CO2 feed systems (pH control) Peristaltic pumps (for pH or sanitizer control) Solution vats (chemical storage)
Inputs	CAT Professional Series pH sensor CAT Professional Series ORP sensor CAT magnetic rotary - flow 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

### PART NUMBERS

Part Numbers	Description	Carton Quantity	Carton Weight (lbs.)
CAT-2000	CAT 2000 Controller & Sensors	1	6.0
CAT-PP2000	CAT 2000 Professional Package	1	20.0

### DIMENSIONS



A	B	C	D	E	F	G	H
21"	16"	8.375"	3.25"	9.375"	3.25"	4.25"	8.5"

### OPTIONAL ACCESSORIES

For Total Chemical Automation

Part Number	Description	Carton Quantity	Carton Weight (lbs.)
HCSC60	Commercial Salt Chlorine Generator	1	50.0
HCSJBOX-BU	Sanitizer Back-up Junction Box	1	3.0
PTC15	pH Feed Pump, 15 Gal Tank	1	5.0
AC004	Standard CO <sub>2</sub> System	1	7.0



Chlorine dispensing for sanitizer control



Liquid acid or CO<sub>2</sub> for pH control



Junction box for sanitizer back-up



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Contact your dedicated Hayward Commercial products team with questions: 1-800-657-2287 • 10101 Molecular Drive #200 • Rockville, MD 20850  
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