



CAT CONTROLLERS®  
**CAT 5000®**

**ADVANCED, WIRELESS, WATER  
CHEMISTRY FACILITY CONTROLLER**

Web-Based Water Quality  
Management with Global  
Wireless Coverage



COMMERCIAL AUTOMATION

CAT 5000 is the world's first wireless, internet-based water quality controller employing both satellite and terrestrial communications to provide worldwide coverage. Now you can take advantage of affordable wireless technology and internet-based monitoring to put you in control like never before.

The CAT 5000 offers unprecedented product quality, value and ease of use. Simply install the factory-assembled CAT 5000 system and log onto PoolComm® to activate your wireless account and begin monitoring. Using your personal PoolComm account you can view water quality data, print charts, analyze graphs, customize your settings and receive alarm notifications via email or SMS.

The Complete Water Quality Solution

- State-of-the-art microprocessor-based water quality controller with integrated global communications
- Eliminates the cost of installing and maintaining dedicated analog telephone lines
- With 4 different wireless communication protocols ranging from Wi-Fi®, reflex, cellular to satellite, the CAT 5000 will communicate wirelessly 24/7, from anywhere in the world
- Monitor and maintain via web browser from any internet-enabled computer, mobile device or via PoolComm App for iPhone® or Android™
- NSF/ANSI Standard 50

# CAT 5000®

## ADVANCED, WIRELESS, WATER CHEMISTRY FACILITY CONTROLLER

### TECHNICAL SPECIFICATIONS

Enclosure	7" x 7" x 2.3" 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	2 x 20 character vacuum fluorescent
Keys	Embossed with stainless tactile domes
Display Range	pH 1.0-9.9 / ORP 5-995 mV
Flow Cell	Injection molded with integral baffles Machined acrylic (optional)
Backboard	CNC machined and beveled PVC
Flow Sensor	Magnetic with embedded reed switch Digital rotary (optional)
Power Input	USA - 15 Amp, 120 VAC 60 Hz Intl. - 10 Amp, 230 VAC 50/60 Hz
Communications	Bi-directional wireless reflex or satellite
Internet URL:	<a href="http://www.poolcomm.com">http://www.poolcomm.com</a>
Mobile App	Available for iPhone and Android devices
Latency	< 5 minutes per path
Alarm Format	Email, text message, visual, audible
Safety Systems	pH low and high alarms ORP low and high alarms pH and ORP overfeed timeout Temperature 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	Optical level sensors Digital flow rate sensor Chemical feed systems Rotary flow sensor
Inputs	CAT Professional Series pH sensor CAT Professional Series ORP sensor CAT magnetic flow sensor CAT rotary flow sensor Optical pH tank level sensor Optical ORP tank level sensor Optical water level sensor Digital flow meter Temperature
Outputs	pH feed, 4 Amp, 115 VAC ORP feed, 4 Amp, 115 VAC AUX - 1 - dry contact, 1 Amp max AUX - 2 - dry contact, 1 Amp max
Auxiliary Outputs	<i>Menu Based Programmability:</i> Remote alarm pH acid feed pH base feed ORP primary feed ORP supplemental feed Dechlorination control Water level control Level / flow sensor #1 Level / flow sensor #2 Level / flow sensor #3 Chlorine generator interface Time-based activation Temperature Control
Warranty	5-year comprehensive warranty and technical support 2-year warranty on sensors

### PART NUMBERS

Part Numbers	Description	Carton Quantity	Carton Weight (lbs.)
CAT-5000-WIFI	CAT 5000 with Wi-Fi Transceiver	1	20.0
CAT-5000-CELL	CAT 5000 with Cellular Transceiver	1	20.0
CAT-5000-DS100	CAT 5000 with Satellite Transceiver	1	20.0
CAT5000075-WIFI	CAT 5000 with Wi-Fi Transceiver, Machined Flow Cell and RFS	1	20.0
CAT5000075-CELL	CAT 5000 with Cellular Transceiver, Machined Flow Cell and RFS	1	20.0
CAT5000075DS100	CAT 5000 with Satellite Transceiver, Machined Flow Cell and RFS	1	20.0
CAT5000-WIFI-UL	CAT 5000 with Wi-Fi Transceiver, UL Listed	1	20.0
CAT-5000-CELLUL	CAT 5000 with Cellular Transceiver, UL Listed	1	20.0
CAT5000DS100UL	CAT 5000 with Satellite Transceiver, UL Listed	1	20.0
C5000075WIFIUL	CAT 5000 with Wi-Fi Transceiver, Machined Flow Cell and RFS, UL Listed	1	20.0
C5000075CELLUL	CAT 5000 with Cellular Transceiver, Machined Flow Cell and RFS, UL Listed	1	20.0
CAT500075D100UL	CAT 5000 with Satellite Transceiver, Machined Flow Cell and RFS, UL Listed	1	20.0

### OPTIONAL ACCESSORIES

#### Retrofit Kits Available to Upgrade to Wi-Fi and Cellular Models\*

Part Number	Description	Carton Quantity	Carton Weight (lbs.)
RFK-C5000-WIFI	Wi-Fi® Transceiver Retrofit Kit with new firmware for CAT 5000	1	3.0
RFK-C5000-CELL	Cell Transceiver Retrofit Kit with new firmware for CAT 5000	1	3.0
HCS60	Saline C® 6.0 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

\* All controller board revisions prior to CAT 5000 Rev D. cannot be converted to Wi-Fi or Cellular



Watch the  
PoolComm  
App Tutorial



Scan the QR code from your mobile device to watch the video.