



CAT CONTROLLERS®  
**CAT 4000**®  
REMOTE AUTOMATED CONTROLLER

NSF Certified, Wireless, Web-  
Based Water Quality Controller  
Available with WiFi and  
Cellular Connectivity



COMMERCIAL AUTOMATION

Using the CAT 4000 system you can easily log onto [poolcomm.com](http://poolcomm.com) to activate your wireless account and begin monitoring your water quality. Using your personal PoolComm® website you can view water quality data, print charts and graphs, customize your settings, and receive alarm notifications via email or SMS.

- Wireless link to the PoolComm site with extensive North American coverage and 24/7 monitoring
- Incredibly simple to install and operate via simple menus and a bright alphanumeric display
- Compatible with existing chemical feed equipment, so initial investment is minimized
- Comes complete with CAT Professional Series pH and ORP sensors for unsurpassed performance
- Optional Wi-Fi® communications protocol provide users free PoolComm access
- NSF/ANSI Standard 50 Certified

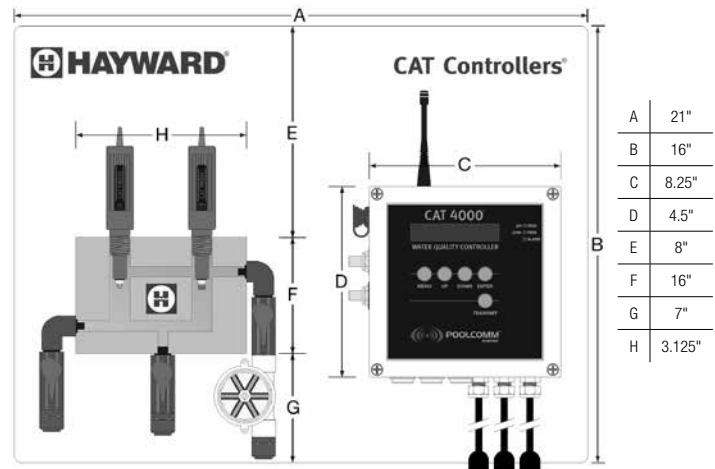
### TECHNICAL SPECIFICATIONS

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 Wi-Fi and Cellular connectivity option
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 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	Optical level sensors Digital flow rate sensor Chemical feed systems Rotary flow sensor Remote dome antenna
Outputs	pH feed, 4 Amp, 115 VAC ORP feed, 4 Amp, 115 VAC AUX - 1 - dry contact, 1 Amp max
Warranty	5-year limited warranty on controller 2-year warranty on sensors

### PART NUMBERS

Part Numbers	Description	Carton Quantity	Carton Weight (lbs.)
CAT-4000-R25	CAT 4000 with R25 Transceiver	1	15.0
CAT-4000-R50	CAT 4000 with R50 Transceiver	1	15.0
CAT-4000-WIFI	CAT 4000 with Wi-Fi® Transceiver	1	15.0
CAT-4000-CELL	CAT 4000 with Cellular Transceiver	1	15.0
CAT-4000075-R25	CAT 4000 with R25 Transceiver, Machined Flowcell & RFS	1	20.0
CAT-4000075-R50	CAT 4000 with R50 Transceiver, Machined Flowcell & RFS	1	20.0
CAT-4000075-WIFI	CAT 4000 with Wi-Fi Transceiver, Machined Flow Cell and RFS	1	20.0
CAT-4000075-CELL	CAT 4000 with CELL Transceiver, Machined Flow Cell and RFS	1	20

### DIMENSIONS



### OPTIONAL ACCESSORIES

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

Part Number	Description	Carton Quantity	Carton Weight (lbs.)
RFK-C4000-Wifi	Wi-Fi® Transceiver Retrofit-Kit with new firmware for CAT 4000	1	3.0
RFK-C4000-CELL	CELL Transceiver Retrofit-Kit with new firmware for CAT 4000	1	3.0
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

\*All controller board revisions prior to CAT 4000 Rev. G and CAT 5000 Rev D, cannot be converted to Wi-Fi or Cellular

