



# ANALYZER, CONTROLLER, TRANSMITTER

## HydroACT 600



### HIGH QUALITY - AFFORDABLE SOLUTION

Part of a range of analyzers that Chemtrac supplies, the HydroACT 600 is the big brother of the HydroACT 300 and offers more sensors, more functionality and more flexibility with the color screen (touch screen optional) and optional built in GSM modem, the HydroACT 600 is an attractively priced top of the range instrument controller. Optional comms packages allow Profibus, Modbus ASCII, Modbus RTU, Modbus TCP, HART and others.

### AVAILABLE SENSORS

- Free Chlorine
- Total Chlorine
- Chlorine Dioxide
- Ozone
- Dissolved Oxygen
- Suspended Solids
- pH with Temp
- ORP with Temp
- External Inputs

The HydroACT 600 is equipped with the capability to control up to six sensors of any type with appropriate analog outputs and relays. Equipped with PID control and datalogging as standard, the HydroACT 600 is able to control complex water treatment processes at a fraction of the cost of other controller.

Customers requiring additional sensors or a no-frills controller such as datalogging, on-screen graphical reporting, or remote access via the internet should consider HydroACT 300 or HydroACT 1200 controllers.

HydroACT 600

### HydroACT 300    HydroACT 600    HydroACT 1200

High quality sensors	•	•	•
Multilingual	•	•	•
Set up wizard	•	•	•
System logger	•	•	•
Datalogger		•	•
Event logger		•	•
PID controls	Opt	•	•
Up to 3 sensors	•	•	•
Up to 6 sensors		•	•
Up to 12 sensors			•
Analog outputs V and mA	•	•	•
Isolated universal inputs & outputs	Opt	•	•
Multi line display	•	•	•
Colored backlight	•	N/A	N/A
Color screen		•	•
Touch screen		Opt	•
Integrated modem and text alarms		Opt	Opt
Up to 4 relays	•	•	•
Up to 8 relays		•	•
Up to 16 relays			•
Remote internet access		Opt	Opt
Profibus	Opt	Opt	Opt
Modbus ASCII/RTU serial	Opt	Opt	Opt
Modbus TCP (LAN enabled)	Opt	Opt	Opt
HART	Opt	Opt	Opt
AC & DC versions	•	•	•

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# GENERAL SPECIFICATIONS

## HydroACT 600

### Power Requirement

100-240 VAC / 0.25 A or 12 VDC / 0.8 A (optional)

### Languages

Any by request

### Sensor Options

Free Cl, Total Cl, Cl Dioxide, Ozone, pH, ORP, Dissolved Oxygen, Suspended Solids, External Inputs

### Inputs

Up to 6 configuration analog inputs; 4-20mA, 4-20mA loop-powered, 0 - 10 VDC, +/- 2000mV for pH or ISEs, PT100

4 digital inputs for signals or pulse counting

RS-485 Modbus ASCII/RTU

### Outputs

Up to 6 configurable analog outputs; 4-20mA, 0-10 VDC, 0-1.25 VDC max 750 ohms impedance

Up to 8 SPST electromechanical relays rated 380 VAC, 8 A max or

Up to 8 SPST solid state relays rated 3-26 VDC, 3 A max or

Up to 6 SPST solid state relays rated 100-240 VAC, 3 A max

### Alarms

2 user configurable alarms with deadband and delay for each sensor input

### Communication (optional)

Allows communication/networking with PLC, SCADA, or BMS Modbus ASCII/RTU (RS485)

Profibus DP

HART

Modbus TCP (Ethernet)

### Memory Backup

All user configuration is stored in non-volatile on-board flash memory

### Enclosure

IP rated 65

ABS/polycarbonate/EPDM construction

### Dimensions

9.0" W x 9.3" H x 5.3" D (230 mm W x 237 mm H x 135 mm D)

### Weight

4.4 lbs (1 kg)

### Warranty

12 months from date of purchase

