



ANALYZER, CONTROLLER, TRANSMITTER

HydroACT 300



HIGH QUALITY - AFFORDABLE SOLUTION

Part of a range of analyzers that Chemtrac supplies, the HydroACT 300 is the entry model into the HydroACT family. The HydroACT 300 is a high quality, low cost analyzer designed to give water treatment engineers everything that they need from an analyzer and nothing that they don't. Costs are kept to a minimum by keeping digital communications, expanded analog I/O, and PID control features as options.

The HydroACT 300 is capable of accepting up to three sensor inputs (e.g. Free Cl), up to three analog outputs, up to four relay outputs, and up to 2 digital inputs (e.g. low flow switch). Simply decide which measurements and features you need and the HydroACT 300 is outfitted to meet your exact needs at the best price possible. And if you are unsure what you need, a Chemtrac representative is always standing by to help you determine which features make the most sense for your application.

Customers who need an analyzer capable of accepting more than three sensors, or who require additional functionality such as datalogging, on-screen graphical reporting, or remote access via the internet should consider HydroACT 600 or HydroACT 1200 controllers.

AVAILABLE SENSORS

- Free Chlorine
- 'Zero' Free Chlorine
- Total Chlorine
- Chlorine Dioxide
- Ozone
- Dissolved Oxygen
- pH with Temp
- ORP
- Conductivity
- Chlorite
- External Inputs

HydroACT 300 HydroACT 600 HydroACT 1200

	HydroACT 300	HydroACT 600	HydroACT 1200
High quality sensors	Opt (Up to 3)	Opt (Up to 6)	Opt (Up to 12)
Multilingual	•	•	•
System log	•	•	•
Datalog		•	•
Event log		•	•
PID controls	Opt	Opt	Opt
Analog outputs	Opt (Up to 3)	Opt (Up to 6)	Opt (Up to 12)
Multi line display	•	•	•
Colored backlight	•	N/A	N/A
Color screen		•	•
Touch screen		Opt	•
Integrated modem and text alarms		Opt	Opt
Relays	Opt (Up to 4)	Opt (Up to 8)	Opt (Up to 16)
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
DC versions	Opt	Opt	Opt

HydroACT 300

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GENERAL SPECIFICATIONS

HydroACT 300

Power Options

100-240 VAC / 0.25 A or 12 VDC / 0.8 A

Display

LCD Backlit 128x64 graphical

Sensor Options

Free Cl, Total Cl, 'Zero' Free Cl, Cl Dioxide, Ozone, pH with Temp, ORP, Dissolved Oxygen, Conductivity, Chlorite, External Inputs

Inputs

Up to 3 configurable analog inputs; 4-20mA, 4-20mA loop-powered, 0 - 10 VDC, +/- 2000mV for pH or ISEs, PT100
Up to 2 digital inputs for signals or pulse counting
RS-485 Modbus ASCII/RTU

Outputs

Up to 3 configurable analog outputs; 4-20mA, max 750 ohms impedance
Up to 4 SPST electromechanical relays rated 380 VAC, 8 A max or
Up to 4 SPST solid state relays rated 3-26 VDC, 3 A max or
Up to 2 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 Options

Allows communication/networking with PLC, SCADA, or DCS
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

7.6" W x 6.3" H x 4.1" D (193 mm W x 161 mm H x 103 mm D)

Weight

2.2 lbs (1 kg)

Warranty

12 months from date of purchase

