

Strantrol® 930 Controller

General Description

Recirculation cooling water control is getting more complex. Increasingly stringent regulations and the greater need for continuous improvement are required changes in the basic approach to system management. The performance of circulating cooling water controls is becoming critical.

To fill this need, accurate monitoring, reliable control and complete data management of your cooling water system is available today with the Strantrol® 930 controller.

Incorporating the knowledge gained from over 50,000 Strantrol applications worldwide, we're pleased to introduce a control system destined to be the industry benchmark.

The Strantrol® 930 controller combines industrial duty sensor technology, UL/CSA/CE design specification, full-featured functionality, remote access software and unmatched service support.

The Strantrol® 930 controller is easy to use. The 12-line by 40-character display and help screens prompt the operator quickly and easily through the system's vast capabilities. These capabilities include five different control modes, chemical inventory and process signal monitoring, Distributed Control System (DCS) reporting, chemical feed pump and solenoid control, data logging and local/remote communication.

Key Benefits

- Industrial-duty sensor technology for accuracy and reliability
- Five user-programmable control modes to meet application requirements
- WinSys® 930 software for remote communication and datalogging

The opportunity to achieve cost reductions and fundamental process improvements exist today in your operation. The Strantrol® 930 controller can improve your cooling water system and optimize feeding and control of chemical additions.

Let Siemens provide you with the maximum return on your cooling water investment.



Product Sheet

Inputs

- 2 potentiometric sensors (pH/HRR Range 0-14 pH, or -1000/+1000 mV [second set available as option via remote preamp])
- 1 combination conductivity temperature sensor. Range 0-20,000 µmhos, 0-100°C. [second set available as option via remote preamp]
- 5 digital inputs. Two designated for flowswitches; three available for contacting head water meters
- 120/240 VAC, single phase, 50/60 Hz system power
- 6 isolated analog inputs +/- .02 mA resolution suitable for chemical inventory or process control signals [optional]

Outputs

- 6 fully rangeable 4-20 mA outputs. Accurate +/- .02 mA, able to drive up to 1000 ohms (configurable for recorder or PID control)
- 8 configurable 5-amp relays. May be configured as: on/off control, time based proportional control, slug feed, 0-100 strokes/min PID control, programmable timers, triggered from water meter, general alarm, specific alarm

Configurations

Strantrol® 930A controller includes:

- Controller and flowcell mounted on a backplate (NEMA 4X)
- 4-20 mA output board (6 outputs)
- ph, HRR, conductivity / temperature sensors
- Flowswitch
- Modem (with pager callout), 19, 200 baud
- Graphing / communication software
- Cord grips / seal fittings

Strantrol® 930B controller includes above plus:

- Remote preamp with cord grips (NEMA 4X)
- Second flowcell and fittings
- Second conductivity / temperature sensor

Strantrol® 930C controller includes above plus:

- Second ph, HRR® sensors
- Second flowswitch
- 4-20 mA input board (6 inputs) for inventory levels, etc.
- Critical exchanges / dual tower software

Communication

- Direct connect via RS-232 (local, up to 19,200 baud)
- Modem connect 19,200 baud (telephone)

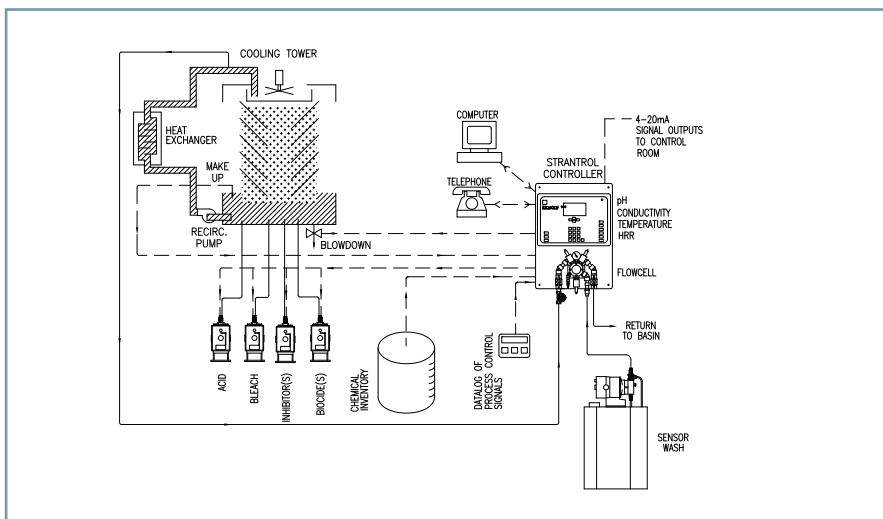
Options

- Remote primary preamp
- Additional pH, conductivity / temperature, HRR® sensors
- Additional flowswitch
- 6-channel analog input board
- Sensor wash system

Support Services

- On-site start up
- Toll free phone support (800.822.6466)
- Service contract available
- 2 year limited warranty on controller / sensor

Typical Installation



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