Water Technologies

Strantrol® 930 Controller

Product Sheet

SIEMENS

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.

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.

Benefits of the Strantrol® 930 Controller Include:

- Industrial-duty Sensor Technology for Accuracy and Reliability
- Five User-Programmable Control Mondes to Meet Application Requirements
- WinSys® 930 Software for Remote Communication and Datalogging

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

Configuration

Strantrol® 930A Controller includes:

Controller and flowcell mounted on a backplate (NEMA 4X)
4-20 mA output board (6 outputs)
pH, HRR, cond/temp 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 & 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 Exchange / dual tower software

Communication

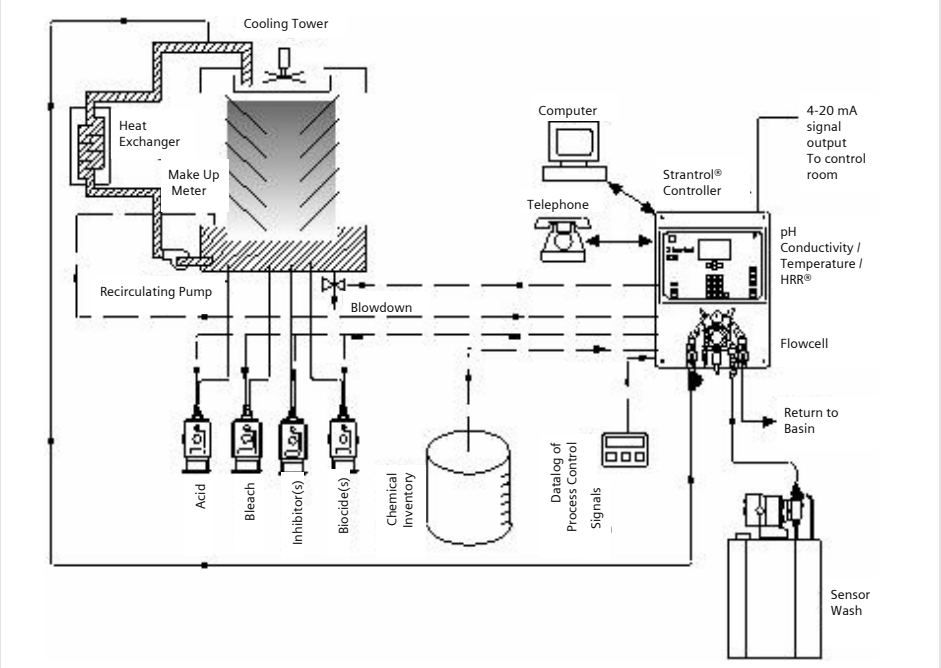
Direct connect via RS-232 (Local) (up to 19,200 baud)
Modem connect 19,200 baud (Telephone)

Options

Remote primary preamp
Additional pH, cond/temp, HRR sensors
Additional flowswitch
6-channel analog input board
Sensor wash system

Support Services

On-site start up
800.882.6466 Toll Free phone support
Service contract available
2 year limited warranty on controller / sensor



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