

Lakewood Instruments Cooling and Boiler Controllers

Lakewood Instruments is a privately owned and independently managed manufacturer of control technology for the industrial water treatment industry. Lakewood Instruments designs and manufactures the most reliable, and easy to use, Cooling Tower and Boiler Blowdown/Chemfeed controllers since 1973.

NexSys©

The NexSys control system is the latest in a long line of reliable, easy to use controllers from Lakewood Instruments. The NexSys control system uses the latest in microprocessor technology with a 5.7" Color Touch Screen interface for a high level of application flexibility.

All features, parameters, settings, and functional requirements to operate, program, and monitor the NexSys control system are accessible from the touch screen and DO NOT require the use of an external input, PC or device to operate or access. The NexSys control system even includes On-Board Help Screens with wiring, programming, and maintenance instructions.



Specifications

Touch Screen Interface: Relay ratings:

5.7" diagonal viewing area 120VAC 3A per relay 15A total

Display size: 115X86 mm Enclosure: NEMA 4X

Pixel: 320X240

Color: TFT 65536

Backlight: LED or CCFL

Power: 120/240 VAC

50/60 Hz

Lakewood 1575e

The Model 1575e uses the latest in microprocessor capability, giving the user a high level of application flexibility. A large illuminated graphics screen, multiple inputs, and very easy setup characterize this new technology. One of these inputs is the 4-20mA input that can be used with a transmitter for trace chemistry control, as a pH input, or as makeup conductivity for cycles of concentration control in cooling towers.



- Scheduled feed, which can use three relays for biocides or other chemicals.
- Two (2) water meter inputs, two (2) drum switch inputs, conductivity input, a flow switch input, a 4-20 mA output, and a 4-20 mA input are all standard features.
- The 4-20 mA input can be used with a transmitter for one of the following: remote conductivity, makeup conductivity, pH, ORP, percent, pressure, milliamps, flow rates, or traced chemistry control. This transmitter can be added in the field.
- Designed with a single circuit board for better reliability and lower cost.
- Ball valve delay feature allows accurate control of motorized ball valves.
- Heavy-duty stainless steel domed numeric keypad and illuminated graphical display allow for quick and easy programming. Steel domed switches improve the tactile sensing and life expectancy of the keypad.
- LED indicators for power, alarm and relay status.

It can also be ordered with the boilers control software, which includes continuous, sample/cycle or sample/hold, control strategies. Using the same hardware, but different software, the 1575e can easily handle motorized ball valves for boiler blowdown control.

Order the correct unit, sensors and options, and you will be able to install the most reliable cooling or boiler control in the market.



Lakewood 140

This entry level controller allows for basic automation of the water treatment of a cooling tower. The Model 140 uses the latest in microprocessor capability, giving the user a high level of application flexibility. Multiple inputs and very easy setup characterize this technology. Water meters, sensors and plumbing assemblies are purchased separately.

Lakewood 150

The Model 150 uses the latest in microprocessor capability, giving the user a high level of application flexibility. Multiple inputs and very easy setup characterize this new technology. Use this Controller for conductivity control of boilers. It can be used for Continuous Sample, Sample/Cycle, or Sample/Hold control of boiler conductivity.

