Lakewood Instruments
MODEL 1575e
WATER TREATMENT CONTROLLER



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. The Model 1575e is UL/CSA/CE approved.

FEATURES

- Use this Controller for Cooling towers, Chill loops, Boilers, and Condensate systems.
- Removable power cord and receptacles for simple conduit installations.
- Scheduled feed, which can use three relays for biocides or other chemicals.
- Two (2) water meter inputs, two (2) drum switch inputs, conductivity input, flow switch input, 4-20 mA output, and remote conductivity input via 4-20 mA are all standard features.
- 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.

BENEFITS

- Easy to program, the Model 1575e Controller menu is just like the Lakewood 2000 Series controllers.
- Controller can be removed from a cooling tower and be placed in another type of application when used with the appropriate conductivity sensor.
- Single circuit board design improves reliability. No add-on options. 4-20 mA output and biocide clock features are standard.

SPECIFICATIONS

Conductivity range	50-10,000 µS for cooling towers; 500-8000 µS for boilers; 10-100 µS for condensate	**Water meter inputs (2)**	Contact head, paddle wheel or turbine
Conductivity sensor	2 electrode	**Timers**	Max. blowdown time exceeded and relay run time exceeded
Conductivity Resolution	± 10 µS (conductivity <5000 µS) ±100 µS (conductivity > 5000 µS)	**Output Signal**	One 4 – 20 mA, isolated or non-isolated optionally powered output for conductivity
Temperature comp.	Automatic	**Input Signal**	One 4-20 mA, non-isolated internally powered input for conductivity
Accuracy & repeatability	± 1.0%	**Output relays**	4, 3 selectable use, 1 blowdown
Deadband/Setpoint	Programmable	**Relay ratings**	3A each, 10A total
Auto/Manual outputs	Menu selectable	**Power**	120/240 VAC 50/60 Hz
Keypad	16 tactile push-buttons	**Ambient**	32° - 120°F (0 - 49°C)
Display	illuminated 128x64 pixel LCD	**Enclosure**	NEMA 4X
Drum Switch Inputs	2 digital contact inputs		

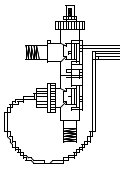
Sensors/Plumbing	Cooling Tower	Boiler	Condensate
Max Pressure (at 100°F)	140 psi (9.65 bar)@ 100 °F	600 psi (41.3 bar)	70 psi (4.8 bar)
Max Temp	140°F (60°C)	486°F (252°C)	392°F (200°C)
Min flow	1 gpm (3.785 Lpm)	Varies w/orifice plate	1 gpm (3.785 Lpm)

ORDERING OPTIONS

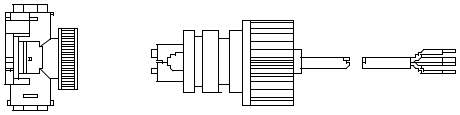
Controller Options

1229239	Water Treatment Controller only. Universal controller is field programmable for cooling towers, boilers, and condensate applications.
1229240	Water Treatment Controller, including Cooling Tower Sensor Tee and Conductivity Sensor.
1229241	Water Treatment Controller, including Cooling Tower Flow Switch Plumbing and Conductivity Sensor.

Cooling Tower Options



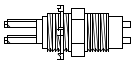
Cooling Tower Flow Switch Plumbing w/Sensor



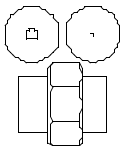
Cooling Tower Sensor Tee and Conductivity Sensor

1167158	Cooling Tower sensor with 20 ft of cable.
1169440	Plumbing Tee.
1107003	Flow Switch Plumbing.

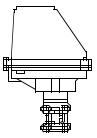
Boiler System Options



SR2



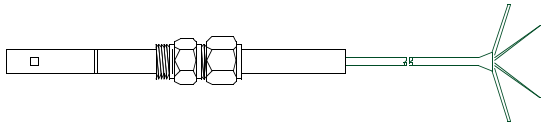
ORIFICE UNION



MBV1

1168374	SR2 Boiler water sensor with 20 ft cable and elbow. _ NPT connection.
1166355	Orifice Plate, _ in NPT, 1/16 -inch opening.
1166356	Orifice Plate, _ in NPT, 1/4 - inch opening.
1166354	Orifice Plate, _ in NPT, $^{1}/_{8}$ - inch opening.
1167972	Orifice Plate, _ in NPT, $^{3}/_{8}$ – inch opening..
1167244	Orifice Union, _ in NPT.
1166686	MBV1 _ in NPT Motorized ball valve.

Condensate Options



540K.1-4-10I-10-TC500

1104591	540K.1-4-10I-10-TC500	Condensate sensor with _ in NPT inline fitting. 0-100 µS.
1168617	540K.1-4-10R-18-TC500	Condensate sensor with 1.0 in NPT retractable inline fitting. 0-100 µS.
1104592	540K.01-4-10I-10-TC500	Condensate sensor with _ in NPT inline fitting. 0-10 µS.
1169642	540K.01-4-10R-18-TC500	Condensate sensor with 1.0 in NPT retractable inline fitting. 0-10 µS.

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