

# 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

- 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.
- Designed with a single circuit board for better reliability and lower cost.
- Large open shallow enclosure for easy wiring.
- 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 used in boiler, cooling tower, or condensate applications when used with the appropriate conductivity sensor.
- Single circuit board design improves reliability.
- No add-on options. 4-20 mA output and feed schedule clock features are standard.

#### SPECIFICATIONS

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

Sensors/Plumbing	Boiler
Max Pressure	600 psi (41.3 bar)
Max Temp	486°F (252°C)

# ORDERING OPTIONS

## Controller Options

---

PART NO.	DESCRIPTION
----------	-------------

---

1229239	1575e Controller only, no sensor
1229244	1575e, SR2, Union, Orifice plate, MBV1
1229243	1575e, SR2, Unions, Orifice Plates

PART NO.	BOILER OPTIONS (AND/OR REPLACEMENT PARTS)
----------	---

---

1167162	2 electrode boiler sensor
1168374	SR2, 2-electrode boiler sensor with conduit elbow and 20 ft cable.
1166355	Orifice Plate, 1/2 inch NPT, 1/16
1166356	Orifice Plate, 1/2 inch NPT, 1/4
1166354	Orifice Plate, 1/2 inch NPT, 1/8
1167972	Orifice Plate, 1/2 inch NPT, 3/8
1167244	Orifice Union, 1/2 inch NPT
1268608	MBV1 1/2 inch NPT Motorized ball valve
1268614	MBV2 3/4 inch NPT Motorized ball valve
1167295	PL5, 1/2 sample/cycle plumbing assembly
1168601	PL575, 3/4 sample/cycle plumbing assembly
1167297	PL6, 1/2 continuous plumbing assembly
1167296	PL675, 3/4 continuous plumbing assembly
1233981	PLKT Plumbing kit. sample/cycle and continuous sample kit. Includes unions, orifice plates, cross, tee, and manual block valve only. Does not include piping.

## Boiler System Options

---



**1168374 SR2**  
Boiler Water Sensor with 20 Ft  
Cable and Conduit Elbow.  
3/4 INCH NPT Connection.



**1167244** Orifice Union  
1/2 INCH NPT

Orifice Plates, 1/2 in NPT  
**1166354** 1/8 inch opening  
**1166355** 1/16 inch opening



**1268608** MBV1  
1/2 INCH NPT  
Motorized ball valve  
OR  
**1268614** MBV2  
3/4 INCH NPT  
Motorized ball valve