

# 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.

#### **PART NUMBER 1229242 SHOWN**

Cooling Tower Water Treatment Controller, Including Flow Switch Plumbing And Conductivity Sensor On A Mounting Plate

#### **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>	50-10,000 $\mu$ S	<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		

<b>Sensors/Plumbing</b>	<b>Cooling Tower</b>
Max Pressure	140 psi (9.65 bar)@ 100 °F
Max Temp	140°F (60°C)
Min flow	1 gpm (3.785 Lpm)

# ORDERING OPTIONS

## Controller Options

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### PART NO. CONDUCTIVITY COOLING TOWER CONTROLLER SYSTEMS

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1229240	1575e with cooling tower sensor tee and sensor
1229241	1575e with cooling tower flowswitch and sensor
1229242	1575e with cooling tower FS and sensor on mounting plate

### PART NO. CONDUCTIVITY COOLING TOWER CONTROLLER

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1229239	1575e controller only, no sensor
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### PART NO. CONDUCTIVITY COOLING TOWER COMPONENTS

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1167158	Sensor, Conductivity 2 elec w/20 ft Cable
1167157	Sensor, Conductivity 2 elec w/2 ft Cable
1167214	Plumbing, tee
1107003	Plumbing, with 20' FS, remote plumbing

### PART NO. REPLACEMENT PARTS

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1166418	O-Ring, for sensor and/or flow sight, set of 10
1169740	Red Ring replacement Kit set of two
1107004	20' Reed Switch
1167266	Flow Sight set of five
1167234	Flow Float set of five
1107003	Plumbing, with 20' FS, remote plumbing

## Cooling Tower Options

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**1107003** Cooling Tower Flow Switch Plumbing



**1167214** Cooling Tower Plumbing Tee



**1167158** Cooling Tower sensor With 20 ft cable