LAKEWOOD INSTRUMENTS MODEL 1520/30e pH or ORP WATER TREATMENT CONTROLLER



The Model 1520/30e uses the latest in microprocessor capability, giving the user a high level of application flexibility in pH or ORP control. The user in the field can configure this controller to operate as a pH or an ORP controller. A large illuminated graphics screen, multiple inputs, and very easy setup characterize this new technology. Water meters, sensors and plumbing assemblies are purchased separately.

PART NUMBER 1240518 SHOWN

Cooling Tower Water Treatment Controller With Flow Switch Plumbing And Ph Sensor On A PVC Mounting Plate.

FEATURES

- Use this Controller for Cooling towers, Process, Wastewater, 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, pH or ORP input, flow switch input, and 4-20 mA output
 are all standard features.
- Designed with a single circuit board for better reliability and lower cost.
- · Large open shallow enclosure for easy wiring.
- 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 1520/30e Controller menu is just like the Lakewood 1575e controller.
- Controller can be removed from a cooling tower and be placed in another type of application when used with the
 appropriate pH or ORP sensor.
- Single circuit board design improves reliability.
- No add-on options. 4-20 mA output and biocide features are standard.

pixel LCD

SPECIFICATIONS

pH range	0-14 pH -2000 to +2000 mV	Drum Switch Inputs Water meter inputs (2)	2 digital contact inputs Contact head, paddle wheel or
ORP range Sensor Types	Solution ground, Signal	water meter inputs (2)	turbine
	differential, or Single-	Timer	Relay run time exceeded
	ended	Output Signal	One 4 – 20 mA, non-isolated
Resolution	± .10 pH or 1 mV		powered output
Temperature comp.	Automatic	Output relays	4 selectable use
Accuracy & repeatability	± 1.0%	Relay ratings	3A each, 10A total
Deadband/Setpoint	Adjustable	Power	120/240 VAC 50/60 Hz
Auto/Manual outputs	Menu selectable	Ambient	32° - 120°F (0 - 49°C)
Keypad	16 tactile push-buttons	Enclosure	NEMA 4X
Display	illuminated 128x64		

Sensors/Plumbing	Cooling Tower	Process/Wastewater	Condensate
Max Pressure @ 100°F	140 psi (9.65 bar)	70 psi (4.8 bar)	70 psi (4.8 bar)
Max Temp	140°F (60°C)	Up to 230°F (110°C)	230°F (110°C)
Min flow	1 gpm (3.785 Lpm)	1 gpm (3.785)	1 gpm (3.785 Lpm)

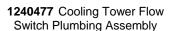
ORDERING OPTIONS

Controller Options

1240475	Water Treatment Controller Only. Universal Controller Is Field Programmable For Cooling Towers, Wastewater, And Condensate Applications. (No Sensor Or Plumbing.)
1240476	Cooling Tower Water Treatment Controller, Including Flow Switch Plumbing And Ph Sensor.
1240418	Cooling Tower Water Treatment Controller, Including Flow Switch Plumbing And ORP Sensor.
1240518	Cooling Tower Water Treatment Controller With Flow Switch Plumbing And Ph Sensor On A PVC Mounting Plate.
1240519	Cooling Tower Water Treatment Controller With Flow Switch Plumbing And ORP Sensor On A PVC Mounting Plate.

Cooling Tower Options







1240472 Cooling Tower Ph Sensor With 15 Ft Cable



1240473 Cooling Tower Orp Sensor With 15 Ft Cable

Process / Wastewater Options



The 1520E Uses The Lakewood Instruments 520 Series Sensors For pH Part Number 1167302 pH Replacement Sensor Tip Shown



The 1530E Uses The Lakewood Instruments 530 Series Sensors For ORP Part Number 1167318 Orp Replacement Sensor Tip Shown

Condensate Options





MODEL 1520/30e

PART NO.	pH COOLING TOWER CONTROLLER SYSTEMS
1240476 1240518	1520e with cooling tower flowswitch and sensor 1520e with cooling tower FS and sensor on mounting plate
PART NO.	ORP COOLING TOWER CONTROLLER SYSTEMS
1263418 1240519	1530e with cooling tower flowswitch and sensor 1530e with cooling tower FS and sensor on mounting plate
PART NO.	pH/ORP COOLING TOWER CONTROLLER
1240475	1520/30e controller only, no sensor
PART NO.	pH and ORP COOLING TOWER COMPONENTS
1240472 1240473 1240477 1263221	Sensor, pH w/15 ft Cable Sensor, ORP w/15 ft Cable Plumbing, with 20' FS, remote plumbing pH transmitter
PART NO.	REPLACEMENT PARTS
1166418 1169740 1107004 1167266 1167234 1107003	O-Ring, for sensor and/or flow sight, set of 10 Red Ring replacement Kit set of two 20' Reed Switch Flow Sight set of five Flow Float set of five Plumbing, with 20' FS, remote plumbing