

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 1240475 SHOWN
Water Treatment Controller, Controller Only.

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, 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 with the Lakewood plain English, intuitive, and user friendly menu interface.
- 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.

SPECIFICATIONS

pH range 2-12 pH
ORP range -1000 to +1000 mV
Sensor Types Solution ground, Signal differential, or Single-Ended
Resolution ± .10 pH or 1 mV
Accuracy & repeatability ± 1.0%
Deadband/Setpoint Adjustable
Auto/Manual outputs Menu selectable
Keypad 16 tactile push-buttons
Display Illuminated 128x64 pixel LCD

Timer Relay run time exceeded
Output Signal One 4 – 20 mA, non-isolated isolated powered output
Output relays 4 selectable use
Relay ratings 3A each, 10A total
Power 120/240 VAC 50/60 Hz
Ambient 32° - 120°F (0 - 49°C)
Power 120/240 VAC 50/60 Hz
Ambient 32° - 120°F (0 - 49°C)
Enclosure NEMA 4X, ETL



Drum Switch Inputs 2 digital contact inputs
Water meter inputs (2) Contact head, paddle wheel or turbine

Sensors/Plumbing	Process/Wastewater
Max Pressure	70 psi (4.8 bar)
Max Temp	230°F (110°C)
Min flow	1 gpm (3.785 Lpm)

ORDERING OPTIONS

pH and ORP SENSORS

The 1520/30e uses the Lakewood Instruments model 520 series pH sensor for process pH applications and the model 530 series ORP sensor for process ORP applications. With two different body materials and three mounting options, Lakewood Instruments can supply pH or ORP sensors to fit your needs.



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

Ordering Information

PART NO. **pH/ORP PROCESS CONTROLLER**

LIST **CD**

SEE THE 520 SERIES FOR PROCESS pH SENSORS AND THE 530 SERIES FOR PROCESS ORP SENSORS.