# 3671 pH/ORP controller

Monitor and control process water using pH and ORP sensors



- Automatic pH temperature compensation 0-100°C.
- Set points on front panel
- Large bright red LED screen
- Easy to install

## Description

Global Water's pH/ORP Controller is a 1/8 DIN panel mount controller with dual SPDT Hi/Lo relays, manual set points and calibration potentiometers set into the front of the panel. The pH/OPR controller features a voltage/recorder output and an internal pH/ORP select switch. The display is a large 0.56″ high efficiency bright red LED. Sensor connectors are a BNC input and spade lug screw type connector block. The pH/ORP Controller requires a Pt-100 ATC probe or a simulation resistor for temperature.

The pH/ORP controller uses an all solid design to achieve low power consumption and reduced internal heating. Each controller is heat cycled 100 hours before shipment. The controller offers automatic pH temperature compensation from 0 to 100°C and set points that cover the entire sensor span.

## Specifications

*Range:*
  *pH:* 0 to 14.0
  *Temp:* 0 to 100 °C
  *mV:* -1990 to +1990
*Resolution:*
  *pH:* 0.1
  *Temp:* 1 °C
  *mV:* 10
*Accuracy:*
  *pH (± digit):* 0.1 (relative) when standardized within 2 pH
  *Temp (± digit):* 1
  *mV (± digit):* ±0.1 %

*Input Impedance:* >$10^{12}$ ohms
*Temperature Compensation:* Auto 0.0 to 100.0 °C
*Recorder Output (Full Range):*
  *pH:* 1400 mV
  *Temp:* 1000 mV
  *mV:* ± 1990mV

*Dual point ON/OFF control:* pH or ORP with internal select switch
*Dead Band:* ± 0.1 pH for each set point
*Relay Output:* 8 Amp at 115 VAC, 4 Amp at 230 VAC
*Readout:* 0 .56″ high efficiency red LED display
*Power Source:* 115 VAC, 230 VAC ± 15% 50/60 Hz
*Dimension:* 3.75x2x6.75(96x48x172mm)
*Weight:* 1.5 lbs (0.69 kg)

## Options and Accessories

**3671 KB** pH/ORP Controller
Includes controller, pH/Ref Electrode, and ATC probe
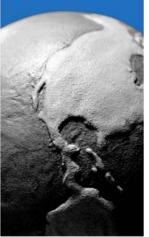
**600P** pH/Ref Electrode
Industrial pH sensor: epoxy with BNC connector. Comes with a 3' cable. Max Temp. 60° C

**600E-ORP** ORP Transmitter Sensor
Industrial ORP sensor: epoxy with BNC connector, Max Temp. 60° C, 3-ft cable.