

3675 pH controller

pH controller for wastewater or industrial applications



Description

Global Water's pH Controller is a 1/4 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 controller features an isolated 4-20 mA current output and an external pH/ORP select switch. The pH Controller's display is a large 0.5" LCD screen. Sensor connectors are a BNC input and spade lug screw type connector block. The pH Controller requires a Pt-100 ATC probe or a simulation resistor for temperature.

The pH Controllers are precise instruments for the measurement and control of pH and mV (ORP). Two output relays are provided on the pH Controllers for ON/OFF control. The isolated 4-20 mA current output covers the input control range of 0 to 14 pH and 0 to 1400 mV. The pH Controllers DIN housing allows the controllers to fit into standard panel cutouts, while providing industrial weatherproof and environmental housings.

- Automatic temperature compensation
- Dual ON/OFF relays
- Large LCD screen
- Front panel adjustment

Specifications

Range:

pH: 0 to 14.0 pH
mV: ±1999 mV

Resolution:

pH: 0.01 pH
mV: 1.0 mV

Accuracy:

pH (± digit): ±0.01 pH
mV (± digit): ±0.1 %

Controller Input Range:

Relay Outputs:

pH: 0 to 14.00 pH
mV: ± 1999 mV

Current Output:

pH: 0 to 14.00 pH
mV: 0 to 1400 mV

Outputs:

Relay Outputs:

Maximum rated load: 5 Amp at 115 VAC, 2.5 Amp at 230 VAC resistive load

Isolated 4-20 mA output

Range: Over input span

Accuracy: 0.1% of span

Isolation voltage: 500 VDC minimum

Load Resistance: 550 Ohms minimum

Input Impedance: >10¹² ohms

Temperature Compensation: Auto 0.0 to 100.0 °C

Temperature Sensor: PT-100, Alpha = 0.00385

Readout: 1/2" high LCD display

Power Source: 115 VAC, 230 VAC ± 15% 50/60 Hz

Dimension: 3.75x3.75x4.75 (96x96x119.3mm)

Weight: 2 lbs (0.77 kg)

Options and Accessories

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Does not include pH/Ref Electrode or ATC probe

600P pH/Ref Electrode

Industrial pH sensor: epoxy with BNC connector. Comes with a 3' cable. Max Temp. 60° C

600A-ST Pt-100 ATC probe, SS

Banana Plugs, 30" Cable.

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