

# PROCESS ANALYZERS pH/ORP

## Walchem W600 pH & ORP Controllers

# WALCHEM

- User-friendly touchscreen display ensures easy operation
- Internal datalogging and on-screen graphing
- Ethernet option allows remote viewing and setup through any browser, even on your cell phone!

These versatile pH and ORP controllers feature an icon-based touchscreen for quick and easy setup. Controllers provide on-board datalogging of sensor values and relay activations. Retrieve data using a USB flash drive (sold separately).

Universal programming provides maximum flexibility—define nearly any control function for your specific application. Each controller features six relays for on/off set point control, time proportional control, in- or out-of-range activation, digital input state, timer activation based on input, alarm and more. Two relays feature 120-VAC female pigtail connectors for direct connection to chemical metering pump power cords.

### Controller configurations for every setup

Choose from stand-alone controllers, or controllers mounted with manifold for in-line sensor (sold separately) and flow switch (included). Both are available with or without analog outputs and Ethernet connectivity. Analog 4-20 mA outputs allow interfacing with other equipment and larger control system. Ethernet connectivity provides easier system configuration, and simple integration into your Local Area Network (LAN) or internet-based remote monitoring setup.

Use the Ethernet option to check alarm and sensor statuses, or setup/change controller parameters from anywhere. Data is accessible through any web browser using the controller's IP address—you can even access it via your cell phone!

**Note:** Additional options are available as special order, including dual-input controllers, and models with different output configurations. Contact USABlueBook for more info.



Replaceable sensor cartridge for quick and easy servicing.

<b>Range:</b>	-2 to 16 pH (pH); -1500 to 1500 mV (ORP)
<b>Resolution:</b>	0.01 pH (pH); 0.1 mV (ORP)
<b>Accuracy:</b>	±0.01% of reading (pH); ±1 mV (ORP)
<b>Display:</b>	320 x 240 pixel monochrome backlit touchscreen
<b>Control relays:</b>	6: (4) dry, 6A (resistive); (2) pre-powered on circuit board switching line voltage, 120 VAC pigtail cords, 6A resistive)
<b>Digital inputs:</b>	6
<b>Analog outputs:</b>	(2) 4-20 mA, internally powered, fully isolated (select units)
<b>Communication:</b>	Ethernet (select models)
<b>Power:</b>	100-240 VAC, 50/60 Hz
<b>Enclosure:</b>	NEMA 4X (IP65) polycarbonate
<b>Dimensions:</b>	9.5"W x 8"H x 4"D (without back panel)
<b>Approvals:</b>	UL, CSA

### For a complete system:

Order the following components:

1. W600 pH/ORP Controller
2. Preamplified Housing
3. Sensor Cartridge



### W600 pH/ORP Controllers

**Note:** Must order preamplified housing and sensor cartridge separately.

MFR #	DESCRIPTION	STOCK #	EACH
<b>CONTROLLER ONLY</b>			
WPH610P-SNNNNN	pH/ORP Controller	94272	\$
WPH610P-SNAENN	pH/ORP Controller w/ Ethernet Connectivity & 4-20 mA Analog Output	94273	
<b>CONTROLLER MOUNTED W/ MANIFOLD FOR IN-LINE SENSOR &amp; FLOW SWITCH</b>			
WPH610P-SNNPNP	pH/ORP Controller	94274	\$
WPH610P-SNAEPN	pH/ORP Controller w/ Ethernet Connectivity & 4-20 mA Analog Output	94275	

### Required Accessories

MFR #	DESCRIPTION	STOCK #	EACH
<b>PREAMPLIFIED HOUSINGS &amp; ACCESSORIES (1 REQUIRED)</b>			
191652-03	pH/ORP Preamplified Housing (No ATC), 3'L Cable	94277	\$
191652-20	pH/ORP Preamplified Housing (No ATC), 20'L Cable	94276	
191653-03	pH Preamplified Housing w/ PT1000 ATC, 3'L Cable	94279	
191653-20	pH Preamplified Housing w/ PT1000 ATC, 20'L Cable	94278	
190851	Junction Box (BNC Inlet, Screw Terminal Outlet)	51312	

### SENSOR CARTRIDGES (1 REQUIRED)

MFR #	DESCRIPTION	STOCK #	EACH
WEL-PHF-NN	pH Sensor Cartridge, Flat-Surface	51351	\$
WEL-PHH-NN	pH Sensor Cartridge, Hydrofluoric Acid Resistant	51352	
WEL-MVF-NN	ORP Sensor Cartridge, Flat-Surface	51350	
WEL-MVR-NN	ORP Sensor Cartridge, Rod-Style (for Oxidizer Levels <0.25 mg/L)	64848	

## USABlueBook BRAND PRODUCTS

YOUR BEST VALUE!

### USABlueBook Electrode Cleaning Solution

- Convenient premixed solutions

Ideal for removing crystallized deposits on your pH electrode bulb or reference junction. For clogged reference junctions, soak electrode in dilute silver-free KCl solution at 70°C for 20 minutes. (Mix 3 mL of stock # 40394 with 100 mL distilled water for dilute solution.)

DESCRIPTION	STOCK #	EACH
Electrode Cleaning Solution, 500 mL	40453	\$
4M KCl Solution, 60 mL	40394	



### USABlueBook pH Buffer Pouches

- NIST-traceable pouches are individually sealed to maintain freshness and prevent contamination
- Each pouch contains 20 mL of solution

DESCRIPTION	STOCK #	BOX OF 20	QTY 5+ BOXES
pH 4.00 Buffer Pouches	40277	\$	\$
pH 7.00 Buffer Pouches	40278		
pH 10.00 Buffer Pouches	40279		
Deionized Water Rinse Pouches	40622		



NIST