

## pH/ORP PREAMPLIFIER

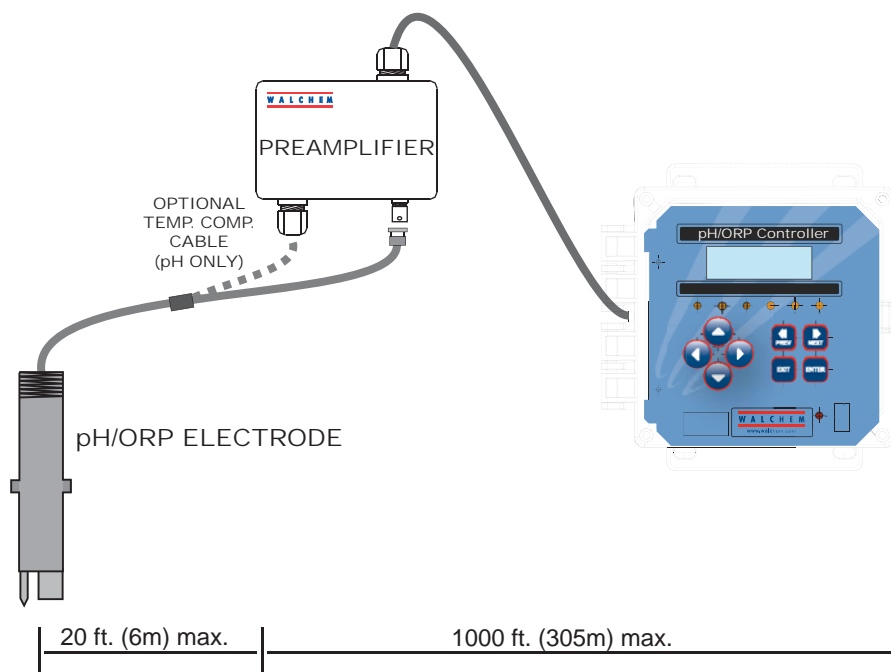
The Walchem preamplifier offers a watertight way to extend the cable of any conventional combination pH/ORP electrode as far as 1000 feet (305 meters). Simply connect the electrode to the BNC connector, the optional ATC cable to the terminal block inside and run cable to the controller.

Walchem controllers provide the  $\pm 5\text{VDC}$  power required to operate the preamp. For connection to controllers that have only a BNC connector for the sensor input, specify the 190829 version, which includes a male BNC to connect to the controller end of the cable.



## SUMMARY OF KEY BENEFITS

- » NEMA 4X, epoxy coated, die-cast aluminum wall mount enclosure
- » Boosts signal for reliable transmission up to 1,000 ft (305 m) via 22 AWG wire
- » No temperature simulation resistor required when used with Walchem controllers



## Specifications

### Power

$\pm 5\text{ VDC}$ , 5mA maximum

### Input Impedance

$1 \times 10^{13}$  ohms

### Connections

BNC for pH/ORP  
Screw terminals

### Overall Dimensions

$4 \frac{7}{8}$ " (L) x  $3 \frac{1}{8}$ " (W) x  $2 \frac{1}{4}$ " (H)

### Mounting Dimensions

$4 \frac{7}{16}$ " (L) x  $2 \frac{1}{16}$ " (H)

### Enclosure

Grey epoxy coated  
Aluminum NEMA 4X

## ORDER INFORMATION

- 190783 pH/ORP Preamplifier
- 190829 pH/ORP Preamplifier with additional BNC connector for controller connection
- 100084 Four conductor cable for use with manual temperature compensation
- 102535 Six conductor cable for use with automatic temperature compensation



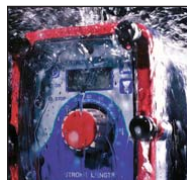
### WebmasterONE®

WebMasterONE® is the most powerful online cooling tower/boiler controllers in the water treatment industry. WebMasterONE® couples a multi-I/O platform with Walchem's analytical sensors and extensive communications technologies. The result is the ability to remotely monitor and control your process from any computer, anywhere in the world, with just a standard web browser.



### WIND WebMaster Industrial Water Controllers

Walchem's WebMaster® Industrial (WIND) Controller sets a new standard for Industrial Water Treatment Controllers. WIND has a flexible multi-I/O platform, a wide range of analytical sensor measurement capabilities, and an extensive assortment of integrated communications and data handling features.



### Metering Pumps

Walchem and Iwaki combined their talents to design the most innovative and comprehensive metering pump product line in the world. With over 50 years of combined pump experience, in an array of different markets, the Iwaki-Walchem partnership leverages our strengths to exceed even our toughest customer expectations. Committed to new product development, our pumps are innovative and revolutionary.



### WebAlert Remote Monitor

Walchem's WebAlert is the first stand alone remote monitoring device that can web enable your installed equipment without having to replace or upgrade it.

## ABOUT US

Walchem integrates its advanced sensing, instrumentation, fluid pumping and communications technologies to deliver reliable and innovative solutions to the global water treatment market

Our in-house engineering is driven by quality, technology and innovation. For more information on the entire Walchem product line, visit: [www.walchem.com](http://www.walchem.com)



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