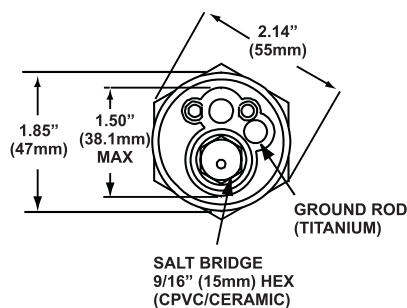
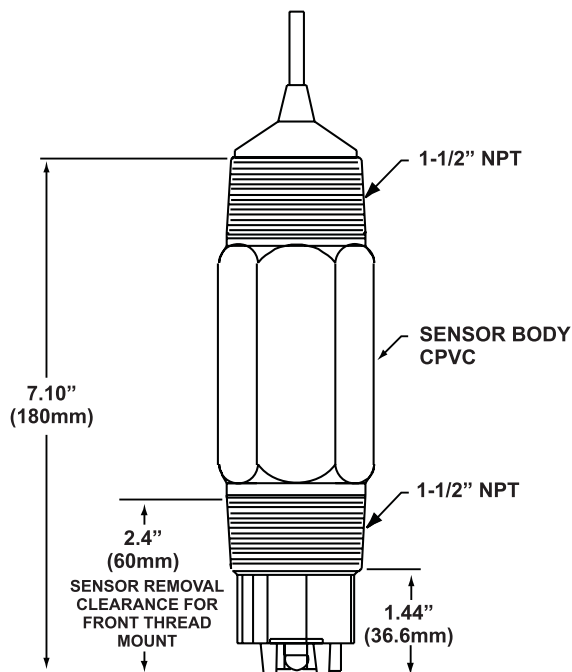


WDS SERIES pH/ORP SENSORS

Walchem's WDS Series differential pH and ORP sensors will provide long-lasting and reliable performance in industrial and municipal applications.

The differential measurement technique uses two electrodes, one for the process measurement and the other for the reference measurement. Each electrode is measured differentially with respect to a third metal electrode. The reference electrode is constructed from pH glass and is embedded in pH 7 buffer within the sensor behind a porous, replaceable salt bridge.

If the reference solution becomes contaminated, or the salt bridge becomes clogged, it is easily replaced. The glass electrode is not prone to chemical attack like a silver/silver chloride reference can be, adding to the reliability of the sensor.



SUMMARY OF KEY BENEFITS

- » Replaceable salt bridge for long life
- » Field proven differential design
- » Transmits signal 3,000 feet (915 meters)
- » Walchem preamplifier models are compatible with Walchem controllers
- » Conventional preamplifier models are compatible with GLI and Aquamatrix (Lisle Metrix) controllers
- » Resistant to ground loop problems

ORDER INFORMATION

WDS —  
 sensor type preamp type

SENSOR TYPE

PH = pH sensor
 MV = ORP sensor

PREAMPLIFIER TYPE

W = Walchem preamplifier
 C = Conventional preamplifier

SPECIFICATIONS

Measurement Performance

Range 0 to 14 pH
 -2000 to 2000 mV (ORP)

Sensitivity 0.001 pH
 0.1 mV

Stability 0.03 pH per day, non-cumulative
 2 mV per day, non-cumulative

Temperature -5 to 95°C (23 to 203°F)

Mechanical

Wetted Materials CPVC, Ceramic, Glass, EPDM,
 Platinum (ORP only) and Titanium
 Palladium alloy

Cable (Walchem preamp) 3 twisted pair shielded
 Cable (Conv. preamp) 5 conductor shielded
 Cable length 4.6 meters (15 ft)
 Maximum cable length 900 meters (1,000 ft)

Temperature Limit -5 to 95°C (23 to 203°F)
 Pressure Limit 0.7 MPa (100 psi)
 @65°C (149°F)

The WDS Series (model numbers WDS-**W, Walchem preamplifier only) sensors are in compliance with CE EMC EN 61326 standards.



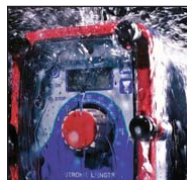
WebmasterONE®

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



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