



## ORP Sensor, LCP Body, Convertible, Gold Electrode Material, 5 Wire, 10-ft Cable

**Product #:** 2028R1  
**ZAR Price:** Contact Hach  
**Available**

### Regenerateable Encapsulated LCP or PPS Differential pH and ORP Sensors-ideal for aggressive applications.

LCP (Liquid Crystal Polymer), Convertible Mounting Style, 3m Analog Cable, 5-Wire with Built-In Preamplifier, Gold Electrode

#### Exceptional Performance with the Differential Electrode Measurement Technique

This field-proven technique uses three electrodes instead of the two normally used in conventional pH sensors. Process and reference electrodes measure the pH differentially with respect to a third ground electrode. The end result is unsurpassed measurement accuracy, reduced reference junction potential, and elimination of sensor ground loops. These sensors provide greater reliability, resulting in less downtime and maintenance.

#### Lower Maintenance Needs with the Replaceable Salt Bridge

The salt bridge creates a barrier to contamination which minimizes the dilution of the internal standard cell solution. The result is lower maintenance needs and a longer time period between calibrations.

#### Built-in Preamp or Two-Wire Transmitter

The built-in preamp produces a strong signal, enabling you to locate the analyzer up to 3000 ft. (914 m) from the sensor. An optional built-in two-wire transmitter is available for applications requiring a 4-20 mA sensor signal. This option requires that the indicating instrument of the measuring system be capable of providing 24 VDC to power the sensor, and have adjustment means to calibrate for zero offset and span.

#### Versatile Mounting Styles

1.5 inch NPT threads are provided on both ends of the convertible mounting style sensor for either mounting into a pipe tee or attaching to the end of a pipe for immersion. The convertible style enables you to consolidate inventory, and thereby reduce associated costs. A union-mount style sensor and mounting tee are also available to conveniently install and remove the sensor for in-line service.

#### 3,000 ft. (914 m) transmission distance

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## Specifications

Body material:	LCP
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Cable Length:	3 m (10 ft)
Drift:	2 mV
Electrode Material:	Gold
Flow:	3 m/s
Measuring range:	-2000 - 2000 mV
Mounting:	Convertible (immersion or flow-through mount)
Operating temperature range:	-5 - 95 °C (sensor only)
Pressure Range:	10.7 bar
Sensor Thread:	1.5"
Warranty:	12 months

What's included?:

Includes: sensor with 10 ft cable and manual

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