



## Rebuildable ORP Sensor

### Brief Introduction:

Hydrolab's ORP sensor uses a simple Platinum Band that donates or accepts electrons to monitor chemical reactions, quantify ion activity, or determine the oxidizing or reducing properties of a solution.

### Features:

- The state of the reaction is measured by the potential developed between an inert noble metal electrode (platinum) and a reference electrode (same reference electrode as pH measurement)
- Compliant with SM2580 B method.



### Benefits:

- Reduces measurement error due to environment – Platinum electrodes are not oxidized in any water matrix, furthermore which is strongly resistant to acidic or basic corrosion.
- The ORP is greatly influenced by the presence or absence of molecular oxygen. Low redox potentials may be caused by extensive growth of heterotrophic microorganisms. Such is often the case in developing or polluted Ecosystems where microorganisms utilize the available oxygen. Low ORP is another relative measure for biological oxygen demand.

### Specifications:

Range: -999 to 999 mV  
Accuracy: +/- 20 mV  
Resolution: 1 mV

### This sensor available on These sondes:

Hydrolab DS5X  
Hydrolab DS5  
Hydrolab MS5  
Hydrolab Quanta  
Hydrolab Quanta G