



WSORP1051 is an ORP sensor used to determine the oxidation-reduction potential in water.

Positive readings indicate that the water promotes oxidation and vice versa.

The ORP sensor detects the concentration of ions present in the water body and converts this electrochemical current into a voltage. The principle is similar to that of a pH meter. This is then converted to ORP readings via an ORP meter.

Applications

Continuous monitoring of ORP values in

- Chemical fertilizer industries
- Chlor-alkali chemical industries
- Dye industries
- Pulp & paper making industries
- Electroplating industries and others



Features

- It adopts the world-class solid dielectric and a large area of PTFE liquid for junction, difficult to block and easy to maintain.
- Long-distance reference diffusion channel greatly extends the service life of electrodes in the environment.
- There is no need for refilling of electrolyte, therefore maintenance is low.
- High accuracy, fast response and good repeatability.

Technical Specification

| Specification | |
|----------------------|--------------------------------------|
| Measuring range | 0~2000mV |
| Temperature | 0~85 °C |
| Accuracy | ±1mV, ±0.3 °C |
| Compressive strength | 0.6 MPa |
| Housing Material | PPS/PC |
| Installation | Upper & Lower ¾ NPT |
| Cable Length | 5m low noise cable (can be modified) |