

ORPS-1000 Series

Oxidation-Reduction Potential Sensors





PRODUCT DATA SHEET



ORPS-1000 series ORP sensors are industrial grade dielectric oxidation-reduction sensors used for continuous monitoring of oxidation reduction potential of surface water, ground water, alkali chemicals, chlorination systems, pigments, dyes, pulp and paper, electroplating industries and industrial effluent water.

FEATURES

- Excellent compatibility with ATS-X1000-C
- Long Distance reference diffusion path extends electrode life even in harsh environments
- Fast response with good repeatability
- PT1000 RTD, the temperature element used in the pHs-1000 series sensors is highly accurate and linear throughout the range

Model	ORPS-1000	ORPS-1001	ORPS-1002	ORPS-1003
				
Measuring Range	±2000 mV	±2000 mV	±2000 mV	±2000 mV
Maximum Operating Temperature	60.0 °C	80.0 °C	60.0 °C	130.0 °C
Wetted Materials	Glass	ABS	ABS	Glass
Maximum Operating Pressure	6 Bar	6 Bar	4 Bar	4 Bar
Electrical Connections	Tinned Wire Connection	Tinned Wire Connection	Tinned Wire Connection	Tinned Wire Connection
Mechanical Connections	PG13.5	3/4" NPT	3/4" NPT	PG13.5
Standard Cable Length¹	5 meters	5 meters	5 meters	5 meters
Minimum Shelf Life²	6 months	6 months	6 months	6 months
Applications	Tap water Swimming pools Drinking water RO water Food processing Beverages industry	Waste water Cooling tower Recycling water	Tap water Drinking water RO water Food processing Beverages industry	Boiler feed Pharmaceutical Fermentation

¹ Extended wire option also available on user request. Please refer to model selection guide for further information.

² Recommended to install the sensor within one month after its purchase. Keep the electrode dipped in 4.0M KCl solution when not in use.