

Icon Process ORP Sensors



The ProCon® ORP Sensors (featuring SimplCal®) include advanced electronic circuitry that stores ORP data for automatic sensor recognition and trouble-free calibration when connected to the ProCon® Controller. ORP sensors incorporate Nexus®, a solid reference material that eliminates poisoning or leaching of the reference electrolyte that occurs in standard sensors. Nexus® also eliminates the need for ongoing maintenance or cleaning requirement due to fouling or film build up removal which occurs with traditional ORP sensors. They are available in multiple configurations including flying lead and blind/local display j-box for maximum versatility. The universal NPT^{3/4}" connections are designed for mounting on pipe, wall, or tank. J-box versions are equipped standard with quick grip wire connection making installation easy — no tools required. Connect with any ProCon® controller for seamlessly easy calibration. Direct sensor to controller —no preamp required. Manufactured by Icon Process Controls

Features

- Ag / AgCl / KCl Nexus® Reference System
- Nexus® (Replaces Liquid Junction)
- Factory Calibrated and Programmed
- SimplCal® Calibration
- Easy Installation
- Integral Mount Systems
- Temperature Compensation
- J-box or Flying Lead
- 4 – 20mA + RS485 Output
- Connect with any ProCon® Controller
- Quick Grip Wire Connection
- Compact Design

Applications

- Water Quality
- Water Treatment
- Neutralization Systems
- Effluent Monitoring
- Sanitization Systems
- Pool & Spa Control
- Aquatic Animal Life Support Systems
- Process Control
- Cooling Towers

MODEL	R7G	R7C
APPLICABLE ENVIRONMENT	General Environment	Complex Environment
MEASURING RANGE	±1000mV	
ZERO POTENTIAL	-	
TEMPERATURE RANGE	0 – 90°C	
PRESSURE	0 – 90 Psi	
TEMPERATURE SENSOR	None (customizable)	
SHELL MATERIAL	PP	
MEMBRANE RESISTANCE	-	
REFERENCE SYSTEM	NEXUS®	
LIQUID JUNCTION	Porous Ceramics	NEXUS®
ELECTROLYTE SOLUTION	3.3M KCl Gel	
DOUBLE SALT BRIDGE SYSTEM	Yes	
CONNECTION THREAD	NPT 3/4"	
CABLE LENGTH	10m	
CABLE CONNECTION	J-Box Flying Lead	
OUTPUT	4-20mA 4-20mA + RS485	
PH ELECTRODE	Platinum	Gold