



## WaterTech pH & ORP Sensors

**THE WATERTech PH8000 & REDOX8000 SENSORS ARE DESIGNED TO PROVIDE HIGHLY RELIABLE TEMPERATURE AND PH OR REDOX/ORP MEASUREMENTS. BOTH SENSORS OFFER CONSISTENT OPERATION ACROSS A FULL RANGE OF DRINKING WATER, WASTEWATER AND PROCESS APPLICATIONS.**

### RELIABLE MONITORING

- Double-junction technology extends sensor lifetime by preventing reference contamination.
- The reference system is enhanced by the Extended Reference Path (ERP) design, which provides a complex path to protect the reference in the presence of interacting ions such as proteins, silver and sulphides.
- An integrated temperature sensor ensures automatic temperature compensation.

### LOW-MAINTENANCE OPERATION

- The sensors use a flat-surfaced electrode, which allows the natural flow of liquid across the face to clean the sensor and limit fouling.
- The flexible joint in the mounting shaft reduces biofouling and eliminates manual cleaning between calibrations.

### EASY INSTALLATION

- When used in dip format, WaterTech pH8000 and Redox8000 sensors can be supplied with a shaft assembly and brackets or easy installation on a handrail or wall.

### INTEGRATED SOLUTION

- The WaterTech pH8000 and Redox8000 sensors are part of a complete digital portfolio of process sensors, which connect to the 7300w monitor, designed to log, display and transmit data to the plant SCADA system.

### TOTAL FIELD SUPPORT

- Our team of experts provides outstanding customer service and technical support.



### Applications:

- INTAKE PROTECTION
- DISCHARGE MONITORING
- ACTIVATED SLUDGE CONTROL
- COAGULATION CONTROL
- FINAL WATER
- RIVER MONITORING
- INDUSTRIAL EFFLUENT CONTROL

GENERAL		WaterTech pH & ORP Sensors	
DIMENSIONS	60 mm (2.3 in) diameter x 270 mm (10.6 in) long	CABLE LENGTH	10 m (32.9 ft) standard
WEIGHT	0.95 kg (2 lbs) (inc 10 m/32 ft of cable)	SERVICE REQUIREMENT	Electrode Replacement Calibration and cleaning are required at a frequency determined by application
PROTECTION CLASS	IP68	POWER SUPPLY	12 Volts from monitor
ENCLOSURE MATERIAL	Black PVC with Nylon Cable Gland	SENSOR OUTPUT	ModTech RS485
CABLE ENTRIES	Integral Cable Gland	OPERATING TEMPERATURE	0 to 70°C (32 to 158°F)
PH MEASUREMENT	PH	TEMPERATURE	
ACCURACY	± 0.05 pH	± 0.5°C (32.9°F)	
RESOLUTION	0.01 pH	0.01°C (32.018°F)	
RANGE	0-14 pH	0-70°C (32 to 158°F)	
MEASUREMENT PRINCIPLE	Combined electrode (pH/reference), Ag/AgCl reference, Gel Electrode (Acrylamide), Double Junction ERP Reference	NTC (Negative Temperature Coefficient Thermistor)	
PRESSURE RATING	7.5 Bar, de-rated at higher temperature		
ORP MEASUREMENT	ORP	TEMPERATURE	
ACCURACY	±2mV pH	± 0.5°C (32.9°F)	
RANGE	-1999 to +1999 mV	0-70°C (32 to 158°F)	
MEASUREMENT PRINCIPLE	Combined electrode, Ag/AgCl ref Gel Electrolyte (Acrylamide), Double Junction ERP Reference	NTC (Negative Temperature Coefficient Thermistor)	
PRESSURE RATING	7.5 Bar, de-rated at higher temperature		
Warranty	2 Years		