



SensoLyt® 700 IQ

PH & ORP SENSOR FOR IQ SENSORNET



Calibrations are automatically stored in the sensor, allowing for easy calibration in the lab or field before being deployed directly in the process.

Reliable pH/ORP monitoring for process control

The **SensoLyt®** is a rugged, online probe for measuring pH or ORP concentrations using a combination electrode for the most accurate wastewater process monitoring. Monitoring pH/ORP can provide early warning for changes in wastewater loading, increase dosing efficiency or ensure that the plant's effluent stays compliant with EPA regulations.



Smart Technology

The SensCheck function monitors the sensor condition to ensure reliable data.



Convenient Calibration

Calibrations are stored in the sensor and YSI pH buffers are automatically recognized.



Simple Maintenance

Easily replace electrodes without any tools or solutions.



Protected Investment

Backed by a 2-year sensor warranty and 6-month electrode warranty.



a xylem brand

SensoLyt® 700 IQ PH AND ORP SENSOR

SensoLyt Sensor Options

Sensor options are available for saltwater applications and Class I, Div 2 hazardous locations.

SensoLyt 700 IQ

pH/ORP (dependent on electrode used)

SensoLyt 700 IQ SW

Saltwater pH/ORP (dependent on electrode used)

SensoLyt 700 IQ H

pH/ORP for Class I, Division 2 (CID2) hazardous locations (dependent on electrode used; requires MIQ/BB1 [207 001Y] module)

Electrode Options

SEA

pH measurements in moderately or heavily loaded wastewater (2 to 12 pH)

ECA

pH measurements in municipal and typically charged wastewater (2 to 12 pH)

SEA-HP

pH measurements in moderately or heavily loaded wastewater under increased pressure and temperature conditions (4 to 12 pH)

DWA

pH measurements in drinking water (0 to 14 pH)

PtA

ORP measurements in moderately or heavily loaded wastewater (-2000 to 2000 mV)

SensoLyt® 700 IQ General Specifications

Measurement Method	Potentiometric measurement using a combination electrode
Temperature Conditions	Operating Temperature: 32 to 140 °F (0 to 60 °C) Storage Temperature: 23 to 149 °F (-5 to 65 °C)
Calibration Capability	2-point and 1-point calibration options
Min Flow Rate	None; no flow requirement
Maximum Pressure	6 to 10 bar (87 to 145 psi) depending on electrode
Signal Output	Digital
Lightning Protection	Yes
Power Consumption	0.2 W
Electrical Connections	2-wire shield cable with quick sensor connection
Conformance/Certifications	EN 61010-1, CAN/CSA C22.2 # 61010.1, UL 3111-1 SensoLyt 700 IQ H: Conforms to UL 121201, CAN/CSA C22.2 # 213; Class I Division 2, Groups A, B, C, D, T6; Class I Zone 2, Groups IIC T6
Material	Housing: SensoLyt 700 IQ/700 IQ H - VA steel 1.4571; SensoLyt 700 IQ SW - POM (Polyoxmethylen) Electrode Holder: POM Sensor Guard: PVC
Protection Class	IP-68; waterproof
Dimensions	20.00 L x 1.57 D in (508 L x 40 D mm) SensoLyt 700 IQ SW: 20.28 L x 2.36 D in (515 L x 60 D mm)
Weight	SensoLyt 700 IQ/700 IQ H : 2.14 lbs. (0.97 kg) SensoLyt 700 IQ SW: 4.00 lbs. (1.8 kg)
Warranty	2 years sensor; 6 months electrode

SensoLyt® 700 IQ Technical Specifications

pH Measuring Range	SEA: 2 to 12 pH ECA: 2 to 12 pH SEA-HP: 4 to 12 pH DWA: 0 to 14 pH
pH Resolution	0.01 pH
ORP Measuring Range	ptA: -2000 to 2000 mV (dependent on electrode)
ORP Resolution	1 mV
Temperature Sensor	Measurement: 23 to 140 °F (-5 to 60 °C) Compensation: 32 to 140 °F (0 to 60 °C) Accuracy: ± 0.5 K Resolution: 0.1 K

YSI, a Xylem brand
1725 Brannum Lane
Yellow Springs, OH 45387

+1.937.767.7241
info@ysi.com
YSI.com/IQSN



YSI
Municipal
Water



YSI.com/SensoLyt