



IQ SensorNet SensoLyt® 700 IQ H

pH/ORP SENSOR FOR HAZARDOUS LOCATIONS



The IQ SensorNet **SensoLyt® H** is a rugged, online sensor for continuous measurement of pH or ORP (redox). The SensoLyt H is certified for deployment in Class 1 Division 2 hazardous locations.

- **Certified for Class I Division 2 (CID2) rated locations** - Conforms with NFPA standard 820 for CID2, groups A, B, C, D, and T6 to reduce the effects of fire or explosion.
- **Easy Maintenance** - Electrodes are easily replaced without tools and for convenience, the digital sensors can be calibrated in the lab or in the field.
- **Accurate and reliable** - Uses a rugged double junction combination electrode for the most accurate wastewater process monitoring. The SensCheck function helps to monitor the electrode for breakage.
- **Compatible with IQ SensorNet's** extensive suite of online controllers and sensors.



a xylem brand

SensoLyt® 700 IQ H DATA SPECIFICATIONS

SPEC SHEET XA00151

Measurement Method	Measuring principle	Potentiometric measurement using a combination electrode
Measuring Range	pH	0.00 to 14.00 pH (depending on the electrode)
	ORP	-2000 mV to +2000 mV
Resolution	pH	0.01 pH
	ORP	1 mV
Temperature Measurement	Temperature Sensor	Integrated NTC
	Measuring Range	23 to 140 °F (-5 °C to + 60 °C)
	Accuracy	± 0.5 °C
	Resolution	0.1 °C
	Response Time	T99 < 15 seconds
Environmental Conditions	Operating Temperature	32 to 140 °F (0 °C to + 60 °C)
	Storage Temperature	23 to 149 °F (-5 °C to + 65 °C)
	Allowable pH	4 to 12
	Rating	IP68, with electrode and sensor cable (SACIQ) attached
	Maximum Pressure	6 or 10 bar depending on electrode
Electrical	Nominal Voltage	Max. 24 VDC, via IQ SensorNet system
	Power Consumption	0.2 W
	Protective Class	III
Conformance/Certifications	Electrical	UL 61010-1, CAN/CSA C22.2 # 61010.1
	Hazardous Location Ratings	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
General	SensCheck	Detects sensor glass breakage for early malfunction detection
	Material	V4A stainless steel and POM
	Dimensions	20 x 1.6 in (508 mm x 40 mm)
	Weight	2.14 lbs (970 g)
	Warranty	2 year sensor; 6 month electrode

Ordering Guide

Item #	Model	Description	Note
207070Y	SensoLyt® 700 IQ H	pH or ORP probe w/ Amplifier, IQ probe. Requires pH or ORP electrode. Class I, Division 2 rated, groups A, B, C, D T6	Order electrodes and SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y). Requires MIQ/BB1 (207 001Y) module.
109 115Y	SensoLyt SEA	pH electrode with built in reference for SensoLyt 690/700, SensoLyt 700 IQ, 2-12 pH	SEA is a double-junction electrode designed for wastewater.
109 125Y	SensoLyt PtA	ORP electrode with built in reference for SensoLyt 690/700, +/- 1000 mV	

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

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



YSI.com/SensoLyt