

## PRODUCT INFORMATION

PROCESS ANALYSIS  
ELECTROCHEMISTRY



# 1200-S sc: combined digital electrode for pH and Redox.

- **High-quality combined electrode**
- **Electrode with perforated membrane and gel electrolyte**
- **Low user maintenance**
- **Plug and play with SC controllers**

### **Especially for soiled water.**

The 1200-S sc sensor is based on a high-quality pH combined electrode. The perforated membrane combined with a polymerised solid electrolyte makes this electrode particularly insensitive to soiling and thus guarantees low user maintenance. The probe is especially suitable for soiled media.

### **Numerous applications.**

Whether in municipal or industrial waste water, drinking water or water for industrial processes - the high-quality design to suit the application guarantees the high reliability of the pH and Redox sensors. The digital technology also enables these sensors to be combined with other SC sensors as required.

**Technical data.**

	1200-S sc pH	1200-S sc ORP
Measuring method	Single probe measuring chain	
Temperature sensor	PT 100	
Measuring range	0 ... 14 pH	-1500 ... 1500 mV
Temperature measuring range	-5 ... 60 °C	
Response time, measured value	T90 < 15 s	
Response time, temperature	T90 < 2 min	
Temperature compensation	Automatic or manual	None
Calibration	Automated 1 or 2 point buffer, manual 1 or 2 point, calibrated in the factory	Manual 1 point, calibrated in the factory
Max. flow velocity at the sensor	4 m/s	
Sample temperature	-5 ... 50 °C	
Max. sample pressure	2 bar over-pressure	
Materials in contact with the sample	Stainless steel, PPS, glass	Stainless steel, PPS, glass/platinum
Data transmission	Digital to SC 100 or SC 1000 controllers	
Membrane	Perforated membrane	
Reference system	Ag/AgCl polymer	
Weight	Approx. 1kg	
Dimensions	44 mm x 500 mm (D x L)	
Sensor cable	10 m, with encapsulated IP 68 connector, can be extended	

**Ordering information.**

1200-S sc pH Sensor	LXV426.99.10001
1200-S sc ORP Sensor	LXV426.99.20001
Tank edge fastening for sensors (1")	LZX914.99.xx200

**SPARE PARTS AND ACCESSORIES**

Replacement pH electrode	LZX889
Replacement ORP electrode	LZX890
Electrode protection	LZX899

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