



## 9184sc Free Chlorine (AFC) Amperometric Sensor

**Product #:** LXV430.99.00001

**ZAR Price:** Contact Hach

**Ships within 6-8 weeks**

### Smart amperometric Hypochlorous Chlorine Sensor: 9184sc

The low minimum detection limit and wide measurement range of the Hach 9184sc Amperometric Free Chlorine Sensor makes it ideal for efficient residual chlorine monitoring. Continuously measures hypochlorous acid (HOCl).

#### Low Minimum Detection Limit for Efficient Residual Chlorine Monitoring

The Hach 9184sc sensor has a minimum detection limit of 5 ppb or 0.005 mg/L hypochlorous acid in the form of HOCl.

#### Wide Measurement Range

The 9184sc sensor is particularly useful for drinking water distribution monitoring, chlorination applications, demineralizer systems, wastewater, or cooling water processes due to its 0 - 20 ppm measurement range.

#### Continuous Chlorine Measurement

Measurements are made continuously by the sensor and reported to the controller

#### Compatible with Hach's "Plug and Play" Digital Controllers

The 9184sc Analyser is designed to be used with all Hach SC digital controllers. Set up is fast and easy, and the system is compatible with the full line of Hach digital sensors.

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## Specifications

Accuracy:	2 % or $\pm 10$ ppb TFC, whichever is greater at pH <7.5
Accuracy 2:	2 % or $\pm 10$ ppb HOCl, whichever is greater at pH <8
Calibration Interval:	2 months
Calibration Method:	Zero Calibration: electrically (automatic) or with de-chlorinated water  Calibration: Comparison of lab method with process sample  pH Calibration: Single- or two-point using standards or comparison of lab method with process sample
Description:	9184sc Hypochlorous Acid Chlorine Amperometric Sensor
Enclosure rating:	IP66 / NEMA 4X
Flow:	0.25 L/h (200 - 250 mL/min) auto--regulated by flow through cell
Interferences:	No interference from chloramines.  Chlorine dioxide and ozone interfere with measurement.
Lower Limit of Detection (LOD):	0.005 mg/L HOCl
Maintenance Interval:	Measurement cell: 6 months for membrane and electrolyte for typical application

	pH: 1 - 1.5 years for typical application
Measuring Interval:	Continuous
Measuring Principle:	Amperometric/Membrane (electrode, membrane, electrolyte)
Measuring range:	0 - 20 mg/L hypochlorous acid HOCl
Mounting:	Flat, vertical surface (panel, stand, etc.)
Operating temperature range:	0 - 45 °C
Parameter:	Active Free Chlorine: Hypochlorous Acid Only
pH Range:	4 - 8, acidification unit available for pH > 8
Pressure Range:	0.1 - 2 bar in flow cell
Relative Humidity:	0 - 90 % non-condensing
Response time:	90 % in less than 90 seconds
Sample Input:	0.25" outer diameter
Sample Output:	0.5" inner diameter
Sample Temperature:	2 - 45 °C
Standard deviation:	0.7 %
Storage conditions:	-20 - 60 °C
Temperature Compensation:	Automatic over sample temperature range
Warranty:	12 months
Weight:	6.5 kg
What's included?:	9184sc Chlorine Sensor Panel, Membranes and Electrolyte and Manual. Does not include pH sensor.

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9184sc Chlorine Sensor Panel, Membranes and Electrolyte and Manual. Does not include pH sensor.

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## Required Accessories

- SC4500 Controller, Prognosys, 5x mA Output, 2 digital Sensors, 100-240 VAC, US plug (Item LXV525.99E11551)
- SC4500 Controller, Prognosys, 5x mA Output, 2 digital Sensors, 100-240 VAC, without power cord (Item LXV525.99A11551)
- SC4500 Controller, Prognosys, 5x mA Output, 1 digital Sensor, 100-240 VAC, without power cord (Item LXV525.99A11501)
- SC4500 Controller, Prognosys, 5x mA Output, 2 digital Sensors, 24 VDC, without plug (Item LXV525.99Z11551)