



## 9184sc Total Free Chlorine (TFC) Amperometric Sensor

**Product #:** LXV432.99.00001

**AED Price:** Contact Hach

**Call for ship date**

### Smart amperometric Free Chlorine Analyser: 9184 sc

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), Hypochlorite ions ( $\text{ClO}^-$ ), temperature, and pH.

#### Reagentless analysis of Free Chlorine

**Provides a wide continuous Chlorine measurement range: 0-20 mg/l**

**Integral temperature and pH sensors provide more accurate readings**

**Optional acidification (for cleaning) and intermittent flow accessories link in series so they only take up one sensor port controller**

**Compatible with multi-sensor, multi-parameter digital controllers**

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### Specifications

Accuracy:	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 Total Free Chlorine Amperometric Sensor
Detection limit:	0.005 mg/L HOCl
Enclosure waterproof rating:	IP66 / NEMA 4X
Flow:	14 L/h (200 - 250 mL/min) auto-regulated by flow through cell
Interferences:	No interference from chloramines.  Chlorine dioxide and ozone interfere with

	measurement.
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 HOCl
Mounting:	Flat, vertical surface (panel, stand, etc.)
Operating temperature range:	0 - 45 °C
Parameter:	Total Free Chlorine: Sum of hypochlorous acid, hypochlorite and free chlorine
pH Range:	4 - 8 pH, 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 °C - 60 °C
Temperature compensation:	Automatic over sample temperature range
Warranty:	24 months
Weight:	6.5 kg
What's included?:	9184sc Chlorine Sensor Panel with pH Sensor, Membranes and Electrolyte and Manual.

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## Required Accessories

- SC1000 Probe Module, 4 Sensor Connectors, 4 mA Output, 4 Relays, 100-240 VAC, with EU plug (Item LXV400.99.2R121)
- SC1000 Display Module (Item LXV402.99.00001)
- 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)