



9184sc Total Free Chlorine (TFC) Amperometric Sensor

Product #: LXV432.99.00001

ZAR Price: Contact Hach

Ships within 1 week

Smart amperometric Total Free 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), Hypochlorite ions (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

Specifications

Accuracy:	2% or ± 10 ppb TFC, whichever is greater at pH <7.5
Accuracy 2:	2% or ± 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
Enclosure 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.
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 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 - 60 °C
Temperature Compensation:	Automatic over sample temperature range
Warranty:	12 months
Weight:	6.5 kg
What's included?:	9184sc Chlorine Sensor Panel with pH Sensor, Membranes and Electrolyte and Manual.

What's included?

9184sc Chlorine Sensor Panel with pH Sensor, Membranes and Electrolyte and Manual.

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)