

9187sc Amperometric Chlorine Dioxide Sensor



Smart Amperometric Chlorine Dioxide Sensor

Selective Membrane Avoids Interference from other species

The Hach 9187sc Amperometric Chlorine Dioxide sensor uses a membrane that is selective for chlorine dioxide species. There are no interferences from bromine, chlorine or hydrogen peroxide. The only potential interference is from ozone, which is rarely present in water treated with chlorine dioxide.

Easy Setup and Maintenance

The all-inclusive 9187sc ClO_2 system comes preassembled on a panel. The membrane system of the sensor means there are no chemicals used for measurement. Maintenance is minimal and two years of typical maintenance items are included with the system.

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

The 9187sc ClO_2 sensor is designed to be used with Hach SC digital controllers. Set up is fast and easy, and the system is compatible with the full line of Hach digital sensors.

Technical Data*

Range	0 - 2 mg/L ClO_2
Lower Limit of Detection (LOD)	0.01 mg/L ClO_2
Accuracy	5% or ± 10 ppb ClO_2 , whichever is greater
Response Time	90% in less than 90 seconds
Flow	14 L/h (200 - 250 mL/min) auto-regulated by flow through cell
Pressure Range	0.1 - 2 bar in flow cell
Sample Temperature	2 - 45 °C (35.6 - 113 °F)
Measuring Principle	Amperometric/Membrane (electrode, membrane, electrolyte)
Interferences	None
Calibration Method	Zero Calibration: Electrically or with ozone-free water Calibration: Comparison of lab method with process sample
Calibration Interval	2 months
Mounting	Flat, vertical surface (panel, stand, etc.)
Maintenance Interval	6 months for membrane and electrolyte (measurement cell)
Enclosure Rating	IP66 / NEMA 4X
Weight	6.5 kg (14.33 lb)
Controller Compatibility	Digital SC Controller

**Subject to change without notice.*

Order Information

LXV434.99.00001 9187sc Amperometric Chlorine Dioxide Sensor

Please note: A digital Hach SC controller is required for operation, controller is sold separately.

Accessories and Replacement Parts

LZY051	Acidification/Cleaning Unit for Amperometric Sensors
LZY052	Intermittent Flow Unit
5743200	Floor Stand
5867000	Digital Termination Box
09184-A=1001	Replacement Chlorine Electrode
09187-A=3500	Membranes for 9187sc Sensor, pk/4
09187-A=3600	Electrolyte for 9187sc Sensor, 100 mL

Part numbers may vary by country.

Learn More

