

Trace Chlorine CCS141



More information and current pricing:

www.de.endress.com/CCS141

Benefits:

- Recalibration intervals approx. 1 to 4 months under constant operating conditions
- Easy membrane replacement thanks to prefabricated membrane cap
- Measured values are not affected by conductivity fluctuation
- Measurement virtually independent of flow rate in the range above 30 l/h
- Zero-point calibration not required. No complex installation of an activated carbon filter, as found with open chlorine sensors.

Specs at a glance

- **Measurement range** 0,01 - 5ppm free chlorine; pH 4-8,2
- **Process temperature** 2°C - 45°C
- **Process pressure** 0bar - 1bar

Field of application: CCS141 is the analog sensor for trace measurement of free chlorine. It delivers reliable values even if fluctuations in flow or conductivity occur and allows control of the disinfection loop so that the water is free of germs. At the same time, the sensor is designed for long calibration and service intervals reducing your maintenance effort.

Features and specifications

Disinfection

Measuring principle

Free chlorine

Application

Water, process

Characteristic

Amperometric measurement of free chlorine.

Disinfection

Measurement range

0,01 - 5ppm free chlorine; pH 4-8,2

Measuring principle

- closed (membrane covered) measuring cell.
 - Reduction of hypochloric acid (HOCl) to chlorid on the cathode at approx. 20mV.
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Design

Closed amperometric 2-electrode measuring cell with PTFE membrane.

Material

Sensor shaft : PVC

Membrane : PTFE

Membrane cap :PBT (GF30); PVDF

Dimension

Diameter : appr. 25mm

Length : 160mm

Process temperature

2°C - 45°C

Process pressure

0bar - 1bar

Temperature sensor

With NTC-temperature sensor

Connection

Fixed cable

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