

# Analog total chlorine sensor CCS120

## Disinfection sensor for all water and wastewater applications



### Benefits:

- Recalibration intervals approx. 1 to 3 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

### Specs at a glance

- **Measurement range** 0,1 - 10ppm total chlorine; pH 6,5 - 9,5
- **Process temperature** 5°C - 45°C
- **Process pressure** 0bar - 3bar

More information and current pricing:

[www.at.endress.com/CCS120](http://www.at.endress.com/CCS120)

**Field of application:** CCS120 is the analog sensor for standard measurement of total 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

Total chlorine

#### Application

Potable water, Process water, Waste water, pools

## Disinfection

### Characteristic

Amperometric measurement of total chlorine.

### Measurement range

0,1 - 10ppm total chlorine; pH 6,5 - 9,5

### Measuring principle

- Total chlorine consists of free chlorine (HOCl, OCl) and bounded chlorine (chloramines).
- A constant polarisation voltage between working and counter electrode instigates the electrochemical reaction.
- Only slightly pH dependent.

### Design

Closed amperometric two electrode sensor for continuous measurement of total chlorine.

### Material

Sensor shaft : PVC

Membrane cap : PPE

### Dimension

Diameter : appr. 25mm

Length : 210mm

### Process temperature

5°C - 45°C

### Process pressure

0bar - 3bar

### Temperature sensor

Including NTC-temperature sensor.

### Connection

TOP68 plug-in head

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