

## Chloromax CCS142D



### Prednosti:

- Long calibration and maintenance intervals
- Easy membrane replacement thanks to prefabricated membrane cap
- Zero-point calibration normally not required, but possible for best adaptation to lowest measured values
- Measured values are not affected by conductivity fluctuation
- Sensor can be installed in flow cell CCA250 or in immersion assemblies. Measurement virtually independent of the flow at flow velocities above 30 l/h or ~8 gal/h (CCA250) or above 15 cm/s or ~0.5 ft/s (immersion).
- Maximum process safety through no-contact inductive signal transmission
- Easy handling due to storage of sensor-specific data

Več informacij in aktualne cene:

[www.si.endress.com/CCS142D](http://www.si.endress.com/CCS142D)

### Lastnosti na dlani

- **Measurement range** CCS142D-A: 0.05 to 20 mg/l Cl<sub>2</sub> (25 °C (77 °F), pH 7.2) CCS142D-G: 0.01 to 5 mg/l Cl<sub>2</sub> (25 °C (77 °F), pH 7.2)
- **Process temperature** 0 to 45 °C (32 to 113 °F), non-freezing
- **Process pressure** Medium in the CCA250 assembly: max. 1 bar (14.5 psi)

**Področje uporabe:** Chloromax CCS142D is the digital free chlorine sensor for all kinds of water. It measures reliably even if fluctuations in flow or conductivity occur and enables control of the disinfection loop so that the water is free of germs. The sensor offers low maintenance saving you time. Thanks to Memosens digital technology, CCS142D combines maximum process and data integrity with simple operation. It resists corrosion and moisture, enables lab calibration and simplifies predictive maintenance.

### Lastnosti in specifikacije

## Disinfection

### **Merilni princip**

Free chlorine

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### **Application**

Water treatment, drinking water, service water, process water, distribution network

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### **Characteristic**

Amperometric measurement of free chlorine

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### **Measurement range**

CCS142D-A:

0.05 to 20 mg/l Cl<sub>2</sub> (25 °C (77 °F), pH 7.2)

CCS142D-G:

0.01 to 5 mg/l Cl<sub>2</sub> (25 °C (77 °F), pH 7.2)

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### **Measuring principle**

Membrane-covered amperometric sensor

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### **Design**

Sensor for use in flow cell (CCA250)

or for immersion use (thread NPT 3/4 on top)

Memosens-technology

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### **Material**

Sensor shaft: PVC

Membrane: PTFE

Membrane cap: PBT, PVDF

Cathode: gold

Anode: silver / silver chloride

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### **Dimension**

Diameter sensor body: 25 mm (0.98 inch)

Diameter sealing seat for flow cell: 31 mm (1.22 inch)

Length: 148 mm (5.83 inch)

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### **Process temperature**

0 to 45 °C (32 to 113 °F), non-freezing

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## Disinfection

### Process pressure

Medium in the CCA250 assembly: max. 1 bar (14.5 psi)

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### Temperature sensor

Integrated (Memosens)

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### Connection

Memosens

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