

Digital ozone sensor Memosens CCS58D

Memosens sensor for drinking water, wastewater and process water in all industries



More information and current pricing:

www.casc.endress.com/CCS58D

Benefits:

- Almost exclusive specificity for ozone ensures reliable measured values for safe disinfection processes.
- Robust membrane technology guarantees high surfactant resistance and optimum suitability for cleaning processes such as bottle cleaning.
- Integrated Heartbeat Technology provides, for example, an electrolyte counter for predictive, application-specific maintenance intervals.
- Connection to the Liquiline multiparameter transmitter allows for easy combination with other relevant parameters of liquid analysis such as pH and ORP.
- Fast commissioning is ensured by factory-calibration and plug & play installation of the sensor.

Specs at a glance

- **Measurement range** 0 to 2 mg/l
- **Process temperature** +0 to 45 °C (32 to 110 °F), non freezing
- **Process pressure** 1 bar (14.5 psi), 2 bar (29 psi) absolute
- **Measuring method** - closed 2 electrode system - conversion of ozone into a signal current in nA - signal current is proportional to the concentration of ozone - the measurement is not pH dependent

Field of application: Memosens CCS58D is a low-maintenance sensor for ozone. It provides high-precision measurement with an almost exclusive specificity for ozone, ensuring reliable disinfection monitoring. The robust sensor membrane with its high surfactant resistance makes the sensor suitable for diverse applications, e.g. bottle cleaning. Thanks to Memosens digital technology, CCS58D combines maximum process and

data integrity with simple operation and provides the perfect basis for predictive maintenance.

Features and specifications

Disinfection

Measuring principle

Ozone

Application

Drinking water - ensures adequate disinfection
Process water - for hygienic packaging and filling
Wastewater - to ensure safe discharge water

Characteristic

Amperometric measurement of dissolved ozone

Measurement range

0 to 2 mg/l

Measuring method

- closed 2 electrode system
 - conversion of ozone into a signal current in nA
 - signal current is proportional to the concentration of ozone
 - the measurement is not pH dependent
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Design

- exchangeable, electrolyte-filled membrane cap
 - working and counter electrode
 - adaptable shaft for flexible installation in assemblies
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Material

Sensor shaft: PVC
Membrane: Silicone
Membrane cap: PVC

Dimension

Diameter: 25 mm (0.98 in)
Length: 161 mm (6.34 in)

Disinfection

Process temperature

+0 to 45 °C (32 to 110 °F), non freezing

Process pressure

1 bar (14.5 psi), 2 bar (29 psi) absolute

Temperature sensor

10k NTC integrated (Memosens)

Connection

Inductive, digital connection head with Memosens

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