

Digital ozone sensor Memosens CCS58D

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



Thông tin thêm và mức tính giá hiện tại:

www.apsc.endress.com/CCS58D

Lợi ích:

- 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.

Tổng quan về thông số kỹ thuật

- **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

Phạm vi ứng dụng: 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.

Tín năng và thông số kỹ thuật

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

Design

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

Disinfection**Material**

Sensor shaft: PVC

Membrane: Silicone

Membrane cap: PVC

Dimension

Diameter: 25 mm (0.98 in)

Length: 161 mm (6.34 in)

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

Process pressure1 bar (14.5 psi), 2 bar (29 psi) absolute

Temperature sensor10k NTC integrated (Memosens)

ConnectionInductive, digital connection head with Memosens

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