

Digital ozone sensor Memosens CCS58D

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



Más información y precios actuales:

www.ar.endress.com/CCS58D

Ventajas:

- 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.

Resumen de especificaciones

- **Rango de medición** 0 to 2 mg/l
- **Temperatura del proceso** +0 to 45 °C (32 to 110 °F), non freezing
- **Presión de proceso** 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

Ámbito de aplicación: 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.

Características y especificaciones

Desinfección

Measuring principle

Ozone

Aplicación

Drinking water - ensures adequate disinfection

Process water - for hygienic packaging and filling

Wastewater - to ensure safe discharge water

Característica

Amperometric measurement of dissolved ozone

Rango de medición

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

Diseño

- exchangeable, electrolyte-filled membrane cap

- working and counter electrode

- adaptable shaft for flexible installation in assemblies

Desinfección

Material

Sensor shaft: PVC

Membrane: Silicone

Membrane cap: PVC

Dimensión

Diameter: 25 mm (0.98 in)

Length: 161 mm (6.34 in)

Temperatura del proceso

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

Presión de proceso

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

sensor de temperatura

10k NTC integrated (Memosens)

Conexión

Inductive, digital connection head with Memosens

Más información www.ar.endress.com/CCS58D