Digital ozone sensor Memosens CCS58E

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

More information and current pricing:
www.endress.com/CCS58E

Benefits:

- Robust membrane technology guarantees high surfactant resistance and optimum suitability for cleaning processes such as bottle cleaning.
- Almost exclusive specificity for ozone ensures reliable measured values for safe disinfection processes.
- Advanced analysis with Heartbeat Technology: Benefit from additional features such as electrolyte counters for application-specific maintenance intervals.
- Fast commissioning thanks to factory-calibration and plug & play installation of the sensor.
- Easy combination with other relevant parameters of liquid analysis thanks to connection to the Liquiline multiparameter transmitter.

Specs at a glance

- **Measuring 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 CCS58E is a low maintenance sensor for ozone equipped with the latest Memosens technology. It provides high-precision measurement with an almost exclusive specificity for ozone to ensure 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, CCS58E ensures and data integrity 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

Measuring 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

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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