

Zirkon® DIS Total

The Zirkon® DIS Total Sensor measures free oxidants as well as organic halogen compounds. This capability allows it to detect the “available oxidant,” and the by-products. This sensor is non-refillable and thus extremely low maintenance and can be used in pressurized applications. It is especially suitable for measurements of disinfection by-products, free chlorine at pH values above 8, chloramines, stabilized biocides and Br₂/Cl₂ mixtures. The Zirkon® DIS Total Sensor is used in swimming pools, drinking water systems, cooling towers, de-chlorination processes, and reverse osmosis.

Advantages

- > Not refillable and no membrane change - low maintenance
- > Can be used in pressurized applications
- > Extended service life of the sensor and reduced zero-point deviation as the electrolyte does not react with oxygen
- > Sensor is supplied filled and ready for use - very short start-up time below 15 min
- > Quick response time $T_{90} < 60$ s
- > Robust material, easy to clean – no delicate polymer membrane

Measuring Parameter

Process Conditions

- > pH Value: pH 6...10
- > Max. Pressure: 6 bar at 20°C (87 psi at 68 °F)
- > Min. Conductivity: > 150 µS/cm
- > Temperature: 0 .. +70°C (32...+ 122 °F)

Mechanical Construction

- > Junction: Zirkon
- > Shaft Material: Glass
- > Shaft Length: 120 mm
- > Shaft Diameter: 12 mm
- > Electrode Material: Platinum ring + InnoDisk®
- > Reference System: Ag / AgCl / Tepox Gel
- > Process Connection: M12 plug (swivel PG 13.5)
- > Electrical Connection: 6 Poles

Article No.: S24135440K
Order Code: 239412500

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Mechanical Drawing





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