

ZIRKON® ONE TCI / BIOCIDES

Sensor for biocides and total chlorine concentration



The ZIRKON® ONE TCI / BIOCIDES is a specialized sensor for total chlorine and free and stabilized biocide monitoring, ensuring accurate chemical disinfection control in process water applications. It utilizes a uniform 8-pole Snap-In Connector for quick installation, while integrated memory stores calibration values and sensor identification. Built-in diagnostic functions track operating time and temperature conditions, ensuring system reliability.

- Low maintenance and long service life
- Not refillable and no membrane change
- Short start-up time below 15 min and quick response time

 Desinfection
  Food & Beverage
  Industrial Water
  Pool & Spa

Article number: S25135440K

Technical data

Measurement

Measuring parameter	Total chlorine/ bromine, various stabilized biocides
Measuring range	0..20.00 ppm
Tolerance	±2% of the reading or ±0.1 ppm (whichever is higher) as low as ±0.02 ppm in the ppb range when using appropriate reference method

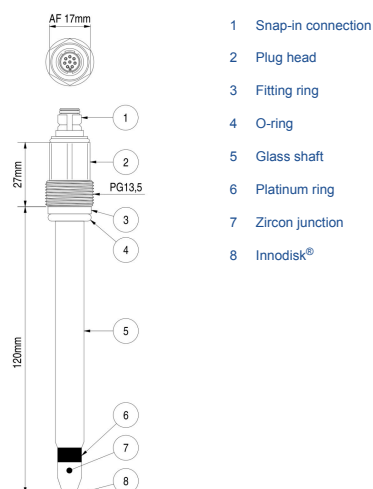
Process condition

pH range	pH 6..10
Maximum pressure	< 6 bar at 20 °C
Temperature range	0..+50 °C
Minimum conductivity	>50 µS/cm
Storage temperature	+5..+30 °C

Mechanical construction

Plug	Snap-in
Process connection	PG 13.5
Electrical connection	8-pole
Memory chip	Yes
Reference electrolyte	Tepox gel 3M KCl
Metal lead	Ag/AgCl
Shaft material	Glass
Installation depth	120 mm
Shaft diameter	12 mm
Electrode material	Platinum ring and Innodisk®

Mechanical drawing





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