

ZIRKON® ONE BIOCIDES: S25135440K

General description



The ZIRKON® ONE BIOCIDES is a specialized sensor for total chlorine and 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. ZIRKON® ONE sensors are designed exclusively for use with the NEON® ONE platform and are not compatible with other systems.

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

Typical applications



Disinfection



Food & Beverage



Industrial Water



Pool & Spa

Technical data

Measurement

Measuring parameter	Total chlorine/ bromine
Measuring range	0..20.0 ppm
Tolerance	±2% of the reading or ±0.1 ppm (whichever is higher)

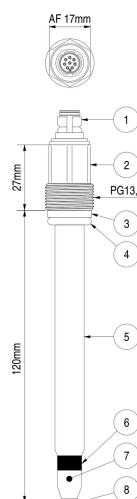
Process condition

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

Mechanical drawing



- 1 Snap-in connection
- 2 Plug head
- 3 Fitting ring
- 4 O-ring
- 5 Glass shaft
- 6 Platinum ring
- 7 Zircon junction
- 8 Innodisk®