

## ZIRKON® ONE DIS: S25135140K

### General description



The ZIRKON® ONE DIS is a high-precision disinfectant concentration sensor designed for universal water quality applications. It features a uniform 8-pole snap-In connector for easy integration into the NEON® ONE platform and supports one-hand and blind installation. With integrated memory, it stores calibration data and sensor identification, while advanced diagnostics track operational hours and exceeded temperature conditions. 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
- Automatic cleaning by ASR® possible

#### Typical applications



Desinfection



Food & Beverage



Industrial Water



Pool & Spa

### Technical data

#### Measurement

Measuring parameter	Free chlorine, free bromine chlor dioxide and ozone
Measuring range	Free chlorine: 0..20.0 ppm free bromine: 0..20.0 ppm chlor dioxide: 0..20.0 ppm ozone: 0..10.0 ppm
Tolerance	±2% of the reading or ±0.1 ppm (whichever is higher)
pH range	Free chlorine: 6..8 pH free bromine, chlor dioxide, ozone: 6..9 pH

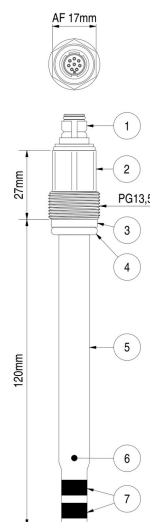
#### Process condition

Maximum pressure	< 6 bar at 20 °C
Temperature range	-5..+70 °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
Junction	Zircon
Temperature probe	None
Solution ground	None

#### Mechanical drawing



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